

Volume

#

R0510

INDEX DIAGRAM.

Township 23 South, Range 24 East

	22 30	23 30	25 31	26 21	26 21	27 21	
38	6	90 5	82 4	77 8	69 2	58 1	
				76	68	58	
36	7	8	9	10	67 11	56 12	
				75	66		
34	18	17	16	15	65 14	13	
				73	64		
32	19	89 20	81 21	73 22	63 23	54 24	
	89	88	80	72	63	53	
31	30	87 29	79 28	71 27	61 26	52 25	39
	85	84	79	71	60	51	
30	31	83 32	78 33	70 34	59 35	50 36	40
	49	47	46	45	43	42 6-1817	

Meanders of Dolores River, Right Bank, page 91-93

Meanders of Dolores River, Left Bank, page 93-95

Meanders of the Colorado River, page 95-97

Blank

Page

BOOK A-510

4-679 b

INDEX DIAGRAM.

Township 23 South, Range 23 East

203 202 201 106 201 201

6	200	5	183	4	171	3	158	2	141	1
199		197		182		170		156		140
7	196	8	181	9	169	10	155	11	138	12
195		194		180		168		154		137
18	193	17	179	16	166	15	153	14	134	13
192		191		178		165		150		130
19	190	20	177	21	164	22	148	23	127	24
189		188		176		163		147		124
30	187	29	175	28	162	27	146	26	123	25
186		185		174		161		144		120
31	184	32	172	33	159	34	143	35	117	36

116

115

113

112

111

109

6-4817

Meanders of the Colorado River, pages 203-212

Blank

Page

BOOK A-510

4-679 b

INDEX DIAGRAM.

Township 24 South, Range 23 East
 242 241

6 239	240 5 237	239 4 228 226	225 3 223	2	1
7 295	236 8 233	237 226	222 10	11	12
18 231	231 17	16	222 15	14	13
19	20	21	22	23	24
20	29	28	27	26	25
21	22	23	24	25	26

Blank

Page

BOOK A-510

4-679 b

INDEX DIAGRAM.

Township 40 South, Range 21 East
 255 254 253

6 275	276 5 274	266 4 266	3	2	1
7 272	273 8 271	264 9 263	10	11	12
18 269	270 17 260	262 16 261	15	14	13
19 268	258 20	21	22	23	24
30 267	257 29	28	27	26	25
31	256 32	33	34	35	36

Blank

Page

BOOK A-510

4-679 b

INDEX DIAGRAM.

Township 41 South, Range 21 East
287 288

6 <u>293</u>	290 5 <u>291</u>	4	8	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

6-4817

Manders of the San Juan River, page 294 - 297

Blank

Page

BOOK A-510

4-679 b

INDEX DIAGRAM.

Township 41 South, Range 20 East

306	307	308	309	309	310	
6 341	340 5 341	331 4 332	325 8 326	318 2 319	313 1 314	311
7 344	342 6 343	333 9 334	327 10 328	321 11 323	315 12 316	312
18 348	345 17 346	335 16 336	330 15	324 14	317 13	
19	20 350	337 21 338	22	23	24	
30	29	339 28	27	26	25	
31	32	33	34	35	36	

6-4817

Meanders of the San Juan River, page 352 - 359

Blank

Page

BOOK A-510

4-679 b

INDEX DIAGRAM.

Township 16 South, Range 11 West

379 378 377 375 373 372

385	6 436	437 5 435	426 4 425	418 3 416	408 2 407	397 1 396
384	7 434	435 8 434	425 9 424	415 10 414	406 11 405	395 12 394
383	18 432	433 17 432	423 16 423	414 15 413	404 14 403	393 13 391
383	19 431	431 20 430	422 21 421	412 22 411	402 23 401	390 24 389
382	20 429	429 29 428	421 28 420	411 27 410	400 26 399	388 25 387
381	31 427	427 32 426	419 33 418	409 34 408	399 35 398	386 36 385

Blank

Page

BOOK A-510

4-679 b

INDEX DIAGRAM.

Township 15 South, Range 11 West

452	6 512	5 511	499 498	4 486	487 474	3 464	1 462
451	7 509	8 508	496 495	9 484	485 473	10 461	12 460
450	18 506	17 505	494 493	16 482	483 471	15 459	13 458
449	19 503	20 502	492 491	21 480	481 469	22 457	24 456
448	20 501	29 500	490 489	28 478	479 466	27 455	25 454
448	31 500	32	488 33	477 34	465 35	453 36	

6-4817

Retracement of mining claim boundaries, pages 513-514

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Page

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Public Survey Office
Salt Lake City, Utah

BOOK A-510

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FIELD NOTES

DEPENDENT RESURVEY OF

THE NORTH AND A PORTION OF THE WEST BOUNDARIES.

INDEPENDENT RESURVEY OF

A PORTION OF THE WEST BOUNDARY AND SUBDIVISIONAL LINES.

SURVEY OF THE SOUTH BOUNDARY.

SURVEY OF A PORTION OF

THE EAST BOUNDARY, SUBDIVISIONAL LINES, AND MEANDERS.

COMPLETING THE SURVEY OF T. 23 S., R. 24 E.

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Chas. F. Moore, Surveyor,

General Land Office

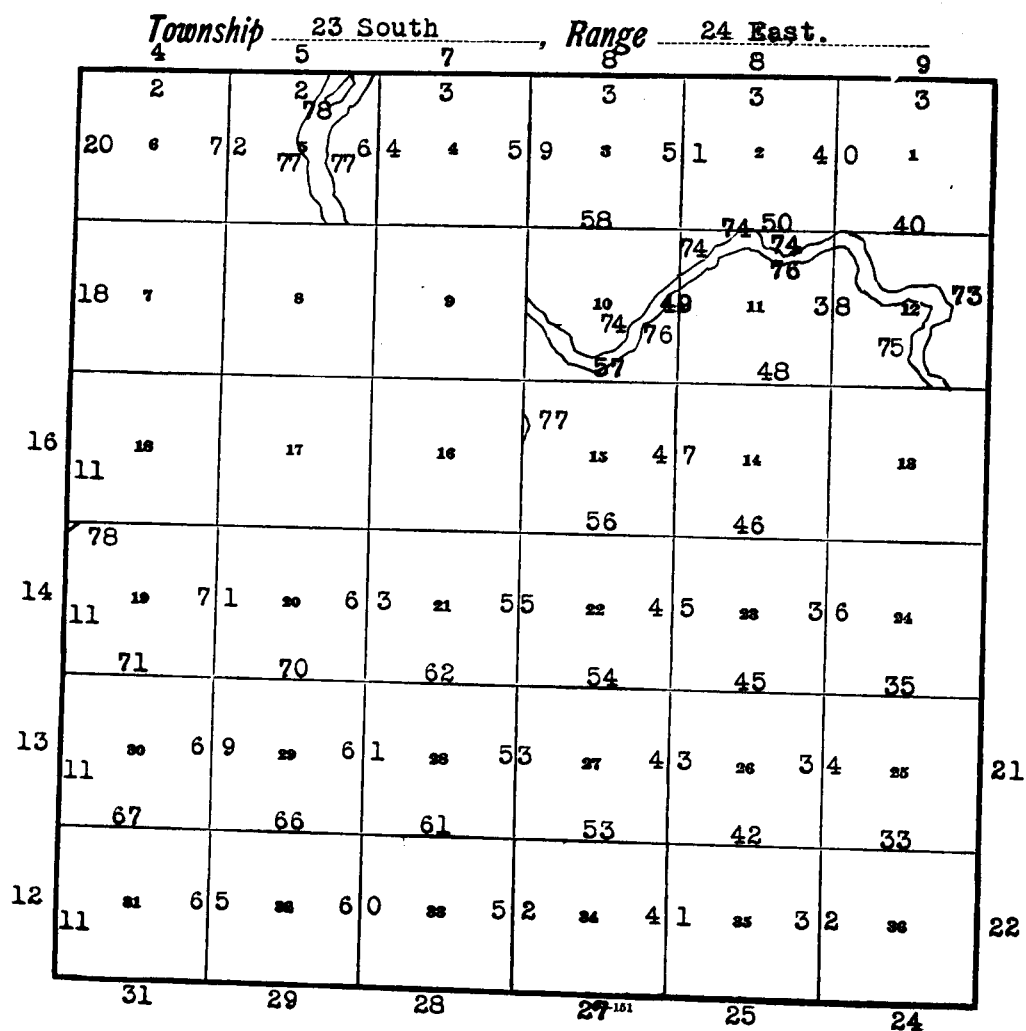
Under special instructions dated February 23, 1928, which provided
for the surveys included under Group No. 190, bearing the approval of the
Commissioner of the General Land Office under date of April 25, 1928.
and assignment instructions dated October 1, 1929

Survey commenced October 12, 1929

Survey completed December 12, 1929

BOOK 4-510

INDEX DIAGRAM.



Survey commenced October 12, 1929, and executed with Buff and Buff light mountain transit No. 9983. The instrument is equipped with full vertical circle and Smith solar attachment; unless otherwise specified all azimuth determinations are accomplished with the solar attachment. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer for Utah in assignment instructions dated October 1, 1929. I examined all the instrumental adjustments before making the field tests hereinafter recorded.

The measurements were made with a Lallie steel tape, 8 chains in length, graduated every link for the first 100 links, and the balance at intervals of 10 links. The tape was tested by comparison with a Lufkin standard tape and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position for the SE. corner of the township as follows: latitude $38^{\circ}45'N.$, and longitude $109^{\circ}13'W.$

October 12, 1929, in camp near the south boundary of section 8, latitude $38^{\circ}48'N.$, longitude $109^{\circ}18'W.$, at 6h 16.4m p.m., l.m.t., 6h 33.6m p.m., by my watch, which reads correct 105th meridian time as determined by radio time signals. I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground, 10 chains N.

October 13, at 6h a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}23'$, and make a meridian mark on a second peg to the west of the mean point in the line determined by the observation.

In order to verify the latitude of this station I make a meridian observation of the sun, first setting on the lower limb and noting the transit of the sun's west limb, then, after reversal of the instrument, setting on the upper limb and noting the transit of the east limb as follows:

Apparent time of observation - - - - -	12h 00m 00s
Mean observed altitude - - - - -	$43^{\circ} 24'$
Reduced latitude - - - - -	$38^{\circ} 48'N.$

Every thirty minutes from 7 to 10:30 a.m., and from 1:30 to 5 p.m., I make the proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than $1'30''$.

I repeat the tests of the arcs daily by noon observations, and verify the meridional indications at frequent intervals throughout the survey.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY T.23 S., R.24 E.

Reestablishment of the surveys executed by E.Buettner,
U. S. Deputy Surveyor, in 1880.

Random Lines

From the corner of Tps. 22 and 23 S., Rs. 23 and 24 E., hereinafter described.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY T.23 S., R.24 E.

Chains

East, between sections 6 and 31.

41.97 Fall 42 links N. of the $\frac{1}{4}$ section corner for sections 6 and 31 hereinafter described.

Therefore the bearing of this half mile is S.89°26'E., and the distance is 41.97 chains.

From the $\frac{1}{4}$ section corner,

East with continuous measurement.

81.97 No trace of the corner of secs. 5, 6, 31 and 32 could be found.

120.33 Fall 27 links south of the $\frac{1}{4}$ sec. corner for secs. 5 and 32, hereinafter described. The bearing of the line between the $\frac{1}{4}$ sec. cor. between secs. 6 and 31, and the $\frac{1}{4}$ sec. cor. between secs. 5 and 32, therefore is N.89°48'E., and the proportionate distance for each half mile is 39.18 chains.

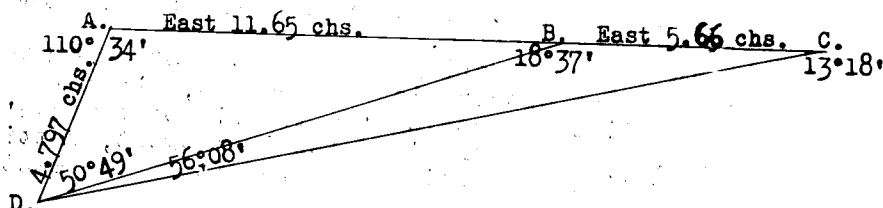
From the $\frac{1}{4}$ sec. cor. for secs. 5 and 32, east.

15.47 The line to the east crosses the Colorado River. To determine the distance I triangulate as follows:

Erect flag A at this point and flag B on N. point of island to the east, also flag C on the left bank of the river. Erect flag D southwesterly from A. The mean distance from A to D is 4.797 chains.

By 1st set of chainmen 4,798 chains.

By 2nd set of chainmen 4,798 chains.



All angles by three repetitions, with closing error of 30", balanced to 180°.

Distance on line to A	- - - - -	15.47 chains
Distance A. to B	- - - - -	11.65 chains
Total distance to B	- - - - -	27.12 chains
Distance B to C	- - - - -	5.66 chains
Total distance to C	- - - - -	32.78 chains

16.30 Original point for the meander corner between secs. 5 and 32 on the right bank falls in the Colorado River.

25.10 Original point for the meander corner between secs. 5 and 32 on the left bank falls in the Colorado River.

32.78 Point C of triangulation. Thence by chaining.

42.33 Fall 79 links N. of the corner of secs. 4, 5, 32 and 33, hereinafter described.

The true bearing of the east $\frac{1}{2}$ mile between secs. 5 and 32, therefore is S.88°56'E., and the distance is 42.34 chains.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY OF T.23 S., R.24

Chains

which is an iron post, 3 ins. diam., supported in a large mound of stone and properly marked. This corner now refers to Tp. 22 S., Rs. 23 and 24 E., and I deface the markings on this corner referring to T.23 S., Rs. 23 and 24 E.

Thence S.89°26'E. on true line on S. boundary of sec. 31, T. 22 S., R. 24 E.

Over broken bench land, through scattered timber and undergrowth.

1.87 Point for the closing corner of Tp. 23 S., Rs. 23 and 24 E., hereinafter described.

Descend 25 feet over NE. slope.

11.80 Draw, drains NE.; ascend 60 feet over NW. slope.

24.30 Spur, projects N.; descend 20 feet.

27.00 Draw, course N.; ascend 45 feet.

38.30 Spur, projects N.; descend 35 feet.

41.97 The original $\frac{1}{4}$ sec. cor., which is a sandstone 16x8x4 ins. above ground, marked $\frac{1}{4}$ on N. face.

At the exact corner point.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with original corner alongside and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 31 only, with brass cap marked

$\frac{1}{4}$ S 31

1929

Thence N.89°48'E. with continuous measurement.

43.87 40.00 chains westing from the closing cor. for secs. 5 and 6.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a sandstone, 8x6x4 ins., marked X, deposited at base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 6 only, with brass cap marked

$\frac{1}{4}$ S 6

1929

Descend 25 feet over E. slope.

46.80 Draw, course N. Thence over broken N. slope; descend 35 feet to sec. cor.

71.10 Small draw, course N.

79.80 Spur, projects N.

81.15 Proportionate point.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, with a sandstone, 6x6x4 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top for the corner of secs.

Chains

at 131 and 52, T. 23 S., R. 24 E., with brass cap marked
 T22S R24E
 S31 S32

1929

Land, broken; general drainage and exposure N.

Soil, sandy loam and clay, mixed with sandstone;
 3rd rate.

Timber, scattered scrub juniper.

Undergrowth, black brush, sagebrush and mountain rush.

Fair grazing land.

N. 89° 48' E., on S. boundary of section 32.

Over broken bench land, through scattered undergrowth.

Descend 105 feet over NE. slope.

2.72 Point for the closing corner of secs. 5 and 6, T. 23 S.,
 R. 24 E., hereinafter described.

32.00 Small draw, course NE.

59.16 The original $\frac{1}{4}$ sec. cor., which is a sandstone, 16x12x4,
 ins., above ground, marked $\frac{1}{4}$ on the N. face.

At the exact corner point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, with the original corner deposited along-
 side, for the $\frac{1}{4}$ sec. cor. for sec. 32 only, with brass
 cap marked

$\frac{1}{4}$ S 32

1929

raise a

mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of corner.

Thence S. 88° 56' E. with continuous measurement.

42.84 Midpoint between the closing corners of secs. 5 and 6,
 and 4 and 5, T. 23 S., R. 24 E.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
 the ground, for the $\frac{1}{4}$ sec. cor. for section 5 only,
 with brass cap marked

$\frac{1}{4}$ S 5

1929

raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of the corner.

47.80 Small spur, projects N; descend 145 ft. to the Colorado
 River.

54.70 Road, bears N. to Cisco, Utah, and S. to Castleton, Utah.

55.09 Intersect the mean high water mark on the right bank
 of the Colorado River.

DEPARTMENT RESURVEY OF THE NORTH BOUNDARY OF T. 23 S., R. 24 E.

Chains

201500

Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, with a sandstone, 8x8x7 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top for meander corner, with brass cap marked

T22S R24E

S 32

S 5

T23S

1929

MC

56.30 Point for the original M. C. on the right bank of the Colorado River.

56.43 Proportionate point for the original meander corner on the right bank of the Colorado River.

65.10 Point for the original meander corner on the left bank of the Colorado River.

65.75 Proportionate point for the original meander corner on the left bank of the Colorado River.

66.30 Mean high water mark of the Colorado River, on north point of an island, bears SW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, with a sandstone, 7x7x6 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top, for the meander corner of section 5, with brass cap marked

MC

S 5

T23S R24E

1929

71.20 Intersect the mean high water mark on the left bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a sandstone, 6x4x4 ins., marked X, deposited at base, and surrounded by a mound of stone to the top for meander corner, with brass cap marked

T22S R24E

S 32

S 5

T23S

1929

MC

Ascend 330 ft. over abrupt W. slope.

81.52 The cor. of secs. 4, 5, 32 and 33, Ts. 22 and 23 S., R. 24 E., which is a sandstone, 18x8x6 ins., above ground, marked 2 notches on the west and 4 notches on the east edge.

At the exact corner point.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, with original corner alongside, and surrounded in a mound of stone to the top, for the corner of secs. 32 and 33, T. 23 S., R. 24 E., with brass cap marked

Chains

T23S R24E
S32 S33

1928

Land, rough and broken; general drainage and exposure N.
Soil, sandy clay loam mixed with sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, sagebrush and mountain rush.
Fair grazing land.

N. 88° 45' E., along S. boundary of section 33.

Over broken bench land, through very scattered timber
and scattered undergrowth.

1.44 Point for the closing corner for secs. 4 and 5,
T. 23 S., R. 24 E., hereinafter described.

Ascend 50 feet over general N. slope.

29.00 Top of spur, projects N.; descend 120 feet over
general N. slope to

40.07 Proportionate point.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in
the ground to solid rock, with a sandstone, 8x7x6 ins.,
marked X, deposited at the base, and surrounded by a
mound of stone to the top, for the $\frac{1}{4}$ sec. cor. sec. 33,
with brass cap marked

$\frac{1}{4}$ S 33

1929

41.39 Midpoint between the closing cors. for secs. 4 and 5,
and 3 and 4, T. 23 S., R. 24 E., hereinafter described.

Set an iron post, 3 ft. long, 1 in. diam., over X cut
in solid surface rock, and 30 ins. in a large mound
of stone, for the $\frac{1}{4}$ sec. cor. for sec. 4, with brass
cap marked

$\frac{1}{4}$ S 4

1929

49.60 Bottom of draw, course NW.; ascend 135 feet over
general N. slope, to top of spur.

56.10 Trail, bears NW. and SE.

68.00 Top of spur, projects N.; descend 50 ft.

78.50 Small draw, course NW.

80.14 The cor. of secs. 3, 4, 33 and 34, which is an iron
post, 3 ins. diam., extending 16 ins. above a mound
of stone; properly marked. I deface all marking on
this post referring to T. 23 S., R. 24 E., and re-
construct the mound of stone around the post.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, very scattered scrub juniper.
Undergrowth, black brush and mountain rush.
Fair grazing land.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY T. 23 S., R. 24 E.

Chains

111140

East on S. boundary of section 34.

Over broken bench land, through scattered undergrowth and timber.

- 1.20 Point for the closing cor. of secs. 3 and 4, T. 23 S., R. 24 E., hereinafter described.

Ascend 50 feet over general N. slope.

- 11.00 Top of spur, slopes N.; descend 105 feet over N. slope.

- 19.80 Bottom of draw, course N.; ascend 65 feet.

- 33.00 Top of spur, projects N.

- 40.00 The $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. diam., extending 18 ins. above mound of stone, properly marked. I deface the marking referring to sec. 3, and reconstruct the mound of stone.

- 41.045 Midpoint between the closing cors. of secs. 3 and 4, and secs. 2 and 3, T. 23 S., R. 24 E.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to solid rock, and surrounded by a mound of stone, to the top, for the $\frac{1}{4}$ sec. cor. for sec. 3 only, with brass cap marked.

$\frac{1}{4}$ S 3
1929

Descend 30 feet over N. slope.

- 53.40 Bottom of draw, course N.; ascend 75 feet over NE. slope.

- 71.10 Trail, an old wagon road, bears N. and S.

- 80.00 The corner of secs. 2, 3, 34 and 35, which is an iron post, 3 ins. diam., properly marked and lying on top of a small mound of stone. I deface all markings that refer to T. 23 S., R. 24 E., and set the iron post over a X cut in solid surface rock and in a mound of stone to the top.

Land, broken bench; general drainage and exposure N.
Soil, sandy and clay loam with surface sandstone;
3rd rate.

Timber, very scattered scrub juniper.

Undergrowth, black brush and mountain rush.

Fair grazing land.

East, on S. boundary of section 35.

Over broken bench land, through scattered timber and medium growth of undergrowth.

- 0.89 Point for the closing corner of secs. 2 and 3, T. 23 S., R. 24 E., hereinafter described.

Ascend 73 feet over general NW. slope.

- 28.40 Top of ridge, bears N. and S.; descend 35 feet.

- 35.30 Small draw, course N.; ascend 25 feet over W. slope.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY T.23 S., R.24 E.

Chains

40.00 On top of spur, projects N.

Proportionate point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a sandstone, 8x4x3 ins., marked X, deposited at the base, for the $\frac{1}{4}$ sec. cor. for sec. 35 only, with brass cap marked

$\frac{1}{4}$ S 35

1929

40.865 Midpoint between the closing cora. for secs. 1 and 2, and secs. 2 and 3, T. 23 S., R. 24 E.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a sandstone, 16x12x8 ins., marked X, deposited at the base, for the $\frac{1}{4}$ sec. cor. for sec. 2 only, with brass cap marked.

$\frac{1}{4}$ S 2

1929

Descend 85 feet over NE. slope.

51.80 Bottom of draw, course N.; gradual ascent of 90 feet. over N. slope.

80.00 The cor. of secs. 1, 2, 35 and 36, which is an iron post, 3 ins. diam., surrounded by a large mound of stone, and properly marked. I deface all markings on this post that refer to T.23 S., R. 24 E.

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, very scattered scrub juniper. Undergrowth, black brush and mountain rush. Fair grazing land.

S.89°30'E., on the S. boundary of section 36.

Over broken bench land, through scattered timber and undergrowth.

0.84 Point for the closing cor. of secs. 1 and 2, T. 23 S., R. 24 E., hereinafter described.

Ascend 105 feet over NW. slope.

10.90 Spur, projects SW.; descend 40 feet.

18.10 Bottom of draw, course SW.; ascend 190 feet over W. slope.

40.21 The $\frac{1}{4}$ sec. cor., which is a sandstone, 30x16x4 ins., marked $\frac{1}{4}$ on N. face, and surrounded by a mound of stone, from which

A juniper, 3 ins. diam., bears S.2°00'E., 44 links distant, marked B T

A juniper, 3 ins. diam., bears N.1°30'W., 31 links distant, marked B T

No evidence of iron post set in the resurvey of T. 22 S., R. 24 E., approved June 25, 1913.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY T.23 S., R.24 E.

Chains

At the exact corner point.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in the solid surface rock, with old corner alongside and surrounded in a mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 36 only, with brass cap marked

 $\frac{1}{4}$ S 36

1929

from which

A juniper, 3 ins. diam., bears N.1°30'W., 31 links distant, marked B T

A juniper, 3 ins. diam., bears N.37°30'W., 198 links distant, marked B T

I destroy the bearing tree to the SE.

Thence N.89°34'E., with continuous measurement.

- 40.61 Midpoint between the closing corner for secs. 1 and 2, T. 23 S., R. 24 E., and the corner of Ts. 22 and 23 S., Rs. 24 and 25 E.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 1 only, with brass cap marked

 $\frac{1}{4}$ S 1

1929

from which

A juniper, 3 ins. diam., bears S.42°45'E., 29 links distant, marked B T

A juniper, 4 ins. diam., bears S.23°15'W., 47 links distant, marked $\frac{1}{4}$ S 1 B T

Ascend 80 feet over SW. slope.

- 56.90 Top of ridge, bears NE. and NW.; descend 80 feet.

- 75.10 Bottom of draw, course SE.; ascend 30 feet.

- 80.36 The corner of Ts.22 and 23 S., Rs. 24 and 25 E., which is an iron post, 3 ins. diam., set in a large mound of stone, properly marked and witnessed as described in the official record.

Land, broken bench; general drainage and exposure SW.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, scrub juniper.
Undergrowth, black brush and mountain rush.
Fair grazing land.

GRAND RIVER GUIDE MERIDIAN

INDEPENDENT RESURVEY OF WEST BOUNDARY OF T.23 S., R.24 E.

Independent resurvey, superseding the survey executed by E. Buettner, U.S. Deputy Surveyor, in 1880.

INDEPENDENT RESURVEY OF WEST BOUNDARY OF T. 23 S., R. 24 E.

Chains

From the corner of Ts. 23 and 24 S., Rs. 23 and 24 E., hereinafter described.

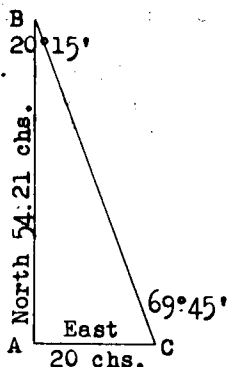
Note: After diligent search at record distances on the south $3\frac{1}{2}$ miles of this boundary, no corners could be found.

Thence

North, on a random line, along the west boundary.

43.83 Erect flag for triangulation.

83.06 The line to the north ascends over vertical sandstone rim over which chaining is impracticable. Therefore to determine the distance I return to the 43.83 chains point to obtain suitable base and triangulate as follows: Designate flag at 43.83 chains as A, and erect flag B on line to the north. From A survey base line East 20.00 chains distant and erect flag C. The angle subtended at C is $69^{\circ}45'$; the angle subtended at B is $20^{\circ}15'$. The angles were determined by three repetitions.

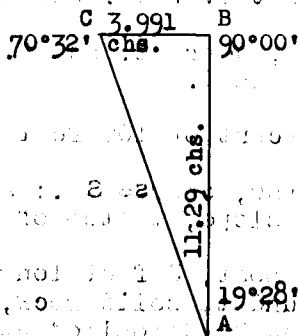


Distance on line to A is - - - - - 43.83 chains
Distance by triangulation A to B is 54.21 chains
Total distance on line to B is - - - - - 98.04 chains

98.04 Point B of triangulation. Thence by chaining.

242.03 The line to the north crosses the Colorado River, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows: Erect flag A at this point, and set flag B on line to the north, and flag C northwesterly on the right bank of the Colorado River. The mean distance from B to C is 3.991 chains.

By 1st set of chainmen is 3.991 chains
By 2nd set of chainmen is 3.991 chains



All angles by 3 repetitions, with closing error of $30''$ balanced to 180° .

INDEPENDENT RESURVEY OF WEST BOUNDARY OF T. 23 S., R. 24 E.

Chains

aniso

At point A is 19°28'.
At point B is 90°00'.
At point C is 70°32'.

Total distance on line to A - - - 242.03 chains
Distance on line from A to B is - - - 11.29 chains
Total distance on line to B is - - - 253.32 chains

253.32 Point B of triangulation.

323.33 Fall 28 links east of the corner of secs. 7, 12, 13
and 18 on the west boundary, hereinafter described:

The true bearing of the south 4 miles of this boundary,
therefore, is N. 0°03' W., and the proportionate point
for the $\frac{1}{4}$ sec. cor. for sec. 18 is at 282.92 chains.

From the corner of Ts. 23 and 24 S., Rs. 23 and 24 E.,
which is a sandstone, 18x18x4 ins. surrounded by a
mound of stone, properly marked.

At the exact corner point.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins.
in the ground, with original corner alongside, for the
corner of Ts. 23 and 24 S., R. 23 E., only, with brass
cap marked

T23S
R23E
S36

S 1
T24S
1929

raise a mound

of stone, 3 ft. base, 2 ft. high, W. of the corner.

Thence

N. 0°03' W., on true line, along East boundary of sec. 36.

Over broken bench land, through very scattered timber
and medium growth of undergrowth.

3.10 Bottom of draw, course NW.

3.58 Point for the closing corner of Ts. 23 and 24 S.,
R. 24 E., hereinafter described.

Ascend 60 feet over SW. slope.

5.90 Top of bench, bears E. and W. Thence over nearly
level bench land.

14.80 Commence descent of 100 feet over NW. slope.

23.20 Bottom of draw, course SW.; ascend 120 feet over
broken NW. slope, to top of knoll.

40.00 Set an iron post, 3 feet long, 1 in. diam., 8 ins.
in the ground to solid rock, with a sandstone, 8x7x6
ins., marked X, deposited at the base, and surrounded
by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor.
for sec. 36 only, with brass cap marked

U. S. A. INDEPENDENT RESURVEY OF WEST BOUNDARY T. 23 S., R. 24 E.

Chains

43.58 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, with a sandstone, 6x5x4 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 31 only, with brass cap marked

48.63 Top of knoll; bears NW. and SE.; descend 185 feet.

63.40 Bottom of draw, course NW.; ascend 300 feet over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, with a sandstone 9x7x5 ins. marked X, deposited at the base, and surrounded by a mound of stone to the top, for the cor. of secs. 25 and 36, T. 23 S., R. 23 E., with brass cap marked

T23S
S25
S36
R23E
1929

Land, broken bench; general drainage and exposure SW. Soil, sandy loam and surface sandstone; 3rd rate. Timber, very scattered scrub juniper. Undergrowth, black brush and mountain rush. Poor grazing land.

N.0°03'W., along E. boundary of section 25.

Over rough and broken bench land, through scattered timber and undergrowth.

Ascend 160 feet over abrupt SW. slope.

3.06 Foot of sandstone rim, 400 feet high, bears NW, and SE.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, with a sandstone, 6x6x4 ins. marked X, deposited at the base, and surrounded by a mound of stone to the top, for the witness corner of secs. 30 and 31, T. 23 S., R. 24 E., with brass cap marked

WC
T23S
S30
S31
R24E
1929

3.58 Point for the cor. of secs. 30 and 31, falls on sloping ledges where it is impracticable to set corner.

18.04 Top of sandstone rim, bears NW. and SE. Gradual des-

INDEPENDENT RESURVEY OF WEST BOUNDARY OF T. 25 S., R. 24 E.

Chains

aniano

cent of 105 feet over N. slope of broken mesa land.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor. of sec. 25 only, with brass cap marked

 $\frac{1}{4}$
S 25

1929

from which

A pinon, 3 ins. diam., bears N.50°00'W., 108 links distant, marked B T

A pinon, 6 ins. diam., bears S.69°30'W., 145 links distant, marked $\frac{1}{4}$ S 25 B T

- 43.58 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to solid rock, surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 30 only, with brass cap marked

 $\frac{1}{4}$
S 30

1929

from which

A juniper, 3 ins. diam., bears S.62°45'E., 171 links distant, marked B T

A pinon, 6 ins. diam., bears N.74°30'E., 133 links distant, marked $\frac{1}{4}$ S 30 B T

Continue gradual descent of 150 feet over N. slope.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the cor. of secs. 24 and 25, T. 23 S., R. 23 E., with brass cap marked

T23S
S24

S25
R23E

1929

from which

A pinon, 16 ins. diam., bears S.28°30'W., 94 links distant, marked T. 23 S R 23 E S 25 B T

A pinon, 6 ins. diam., bears N.76°45'W., 66 links distant, marked T 23 S R 23 E S 24 B T

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, pinon and juniper. Undergrowth, black brush and mountain rush. Poor grazing land.

N.0°03'W., along E. boundary of Sec.24, T.23 S.,R.23 E. Over broken bench land, through medium growth of timber and scattered undergrowth.

Descend 220 feet over N. slope to the $\frac{1}{4}$ sec. cor. sec.24.

3 23.1. INDEPENDENT RESURVEY OF WEST BOUNDARY OF T.23 S., R.24 E.

Chains

34.59. Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for cor. of secs. 19 and 30, T. 23 S., R. 24 E., with brass cap marked

T23S

S19

S30

R24E

1929

from which

A pinon, 9 ins. diam., bears N.19°30'E., 94 links dist., marked T 23 S R 24 E S 19 B T

A pinon, 6 ins. diam., bears S.72°45'E., 124 links dist., marked T 23 S R 24 E S 30 B T

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{2}$ sec. cor. for sec. 24 only, with brass cap marked

$\frac{1}{2}$
S 24

1929

from which

A pinon, 12 ins. diam., bears S.34°15'W., 134 links distant, marked $\frac{1}{2}$ S 24 B T

A pinon, 7 ins. diam., bears N.35°15'W., 16 links distant, marked $\frac{1}{2}$ S 24 B T

Descend 385 feet over broken N. slope to top of rim.

43.58 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{2}$ sec. cor. for sec. 19 only, with brass cap marked

$\frac{1}{2}$
S 19

1929

from which

A pinon, 6 ins. diam., bears N.32°45'E., 72 links distant, marked $\frac{1}{2}$ S 19 B T

A pinon, 6 ins. diam., bears S.5°15'E., 76 links distant, marked $\frac{1}{2}$ S 19 B T

45.40 Bottom of small draw, course NW.

49.70 Top of flat top spur, projects NW.

70.00 Top of sandstone rim, 40 feet high, bears NE. and SW.

77.10 Top of sandstone rim, 100 feet high, bears N.70°E., and S.70°W. Abrupt descent of 320 feet.

80.00 Falls on sloping sandstone ledge where corner of secs. 13 and 24, T. 23 S., R. 23 E., cannot be set.

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Poor grazing land.

Chains

all day

0.79 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the witness corner of secs. 13 and 24, T. 23 S., R. 23 E., with brass cap marked.

T23S

\$13

S24

R23真

WC

1929

Raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of the corner.

2.48 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid rock, and 30 ins. in a large mound of stone, for the witness meander corner for secs. 13 and 19, with brass cap marked

WMC

S 13 | S 19

R23E	R24E
------	------

T23S

1929

3.10 Road, bears NE. to Cisco, Utah, and SW. to Castleton,
Utah.

3.50 Intersect the mean high water mark on the left bank of the Colorado River. The mean high water mark falls on cut bank, which is subject to erosion, making it impracticable to set meander corner.

3.58 Point for corner of secs. 18 and 19 falls in river.

11.92 Intersect the mean high water mark on the right bank of the Colorado River and point for meander corner. The mean high water mark falls on cut bank, subject to erosion, making it impracticable to set meander corner.

13.20 Proportionate point for restored meander corner for
sec. 18 only.

13.92 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone for the witness meander corner of secs. 13 and 18, with brass cap marked

T23S

R23E | R24E

S13	S18
-----	-----

WMC

1929

DEPENDENT RESURVEY

Reestablishment of the surveys executed by E. Buettner,
U. S. Deputy Surveyor, in 1880.

Ascend 265 feet over broken SE. slope.

DEPENDENT RESURVEY OF WEST BOUNDARY OF T.23 S., R.24 E.

Chains

27.80 Top of sandstone rim, bears E. and W. 50 feet high.

28.70 Top of spur, projects E.; descend 95 feet along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X out in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{2}$ sec. cor. for sec. 13 only, with brass cap marked "Solid Rock" and "13 sec. 13 only".

S 13

1929

42.92 Proportionate point.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the restored sec. cor. for sec. 18 only, with brass cap marked

S 18

1929

Descend 235 feet along E. slope of the Colorado River Canyon.

79.00 Bottom of canyon, course E., stream of clear water,
1 link wide.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the corner of secs. 12 and 13, T. 23 S., R. 23 E., with brass cap marked.

T23S

S12

S13

R23E

1929

83.33 The original corner for secs. 7, 12, 13 and 18, T. 23 S.,
Rs. 23 and 24 E., which is a red sandstone, 24x18x6
ins. extending 20 ins. above ground, marked with 4
notches on the south and 2 notches on the north edges,
set in a mound of stone. At the exact corner point.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, with the original corner deposited alongside, and surrounded in a large mound of stone to the top, for the cor. of secs. 7 and 18, T. 23 S., R. 24 E., with brass cap marked

T23S

S-7

S - 18

R24E

1929

Land, broken bench; general drainage and exposure E.
Soil, sandy loam and surface sandstone; 4th rate.
Timber, very scattered juniper and pinon.
Undergrowth, black brush and mountain rush.
Poor grazing land.

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 33 S., R. 24 E.

Chains

and 10

North, on a random line, along W. boundary of section 7.
 40.00 No trace of $\frac{1}{4}$ section corner.

80.00 Intersect the corner of secs. 1, 6, 7 and 12, hereafter
 after described.
 Thence from the corner of sections 7 and 12.

North, on true line, along the west boundary of sec. 7.

Over broken bench land, through very scattered timber
 and medium growth of undergrowth.

Ascend 120 feet over SE. slope.

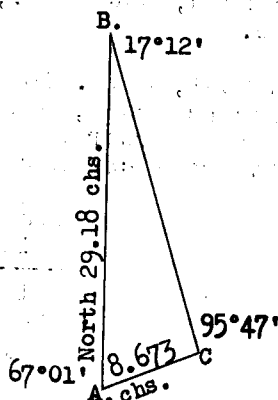
5.98 Top of sandstone rim, 100 feet high, bears NE. and SW.

The line to the north ascends over vertical sandstone
 ledge, over which chaining is impracticable. There-
 fore, to determine the distance, I triangulate as
 follows: Erect flag A at this point, and set flag B
 on line to the north, and erect flag C northeasterly
 8.673 chains. The mean distance of two sets of
 chainmen:

By 1st set of chainmen is 8.674 chains

By 2nd set of chainmen is 8.672 chains

The vertical angle from A to B is plus 28° .



The angles by three repetitions with error of $30''$
 balance to 180°

At point A is $67^{\circ}01'$

At point B is $17^{\circ}12'$

At point C is $95^{\circ}47'$

Total distance on line to A is 5.98 chains

Distance by triangulation A to B is 29.18 chains

Total distance on line to B is 35.16 chains

35.16 Point B of triangulation. Top of sandstone rim, bears
 NE. and SW., 1145 feet above section corner.

36.37 Northing of 40.00 chains from the corner of secs. 12
 and 13.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
 the ground to solid rock, with a sandstone, 9x8x6 ins.,
 marked X, deposited at the base, and surrounded by a
 mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec.
 12 only, with brass cap marked

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 23 S., R. 24 E.

Chains

$\frac{1}{2}$
S 12
1929

40.00 Proportionate point.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for the $\frac{1}{2}$ sec. cor. for sec. 7 only, with brass cap marked

$\frac{1}{2}$
S 7
1929

raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of the corner.

Ascend 60 ft. over general S. slope.

46.50 Top of ridge, bears NE. and SW.; descend 50 feet.

68.10 Bottom of draw, course NE.; ascend 50 feet.

76.67 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, to solid rock, and surrounded by a mound of stone to the top, for the cor. of secs. 1 and 12, T. 23 S., R. 23 E., with brass cap marked

T23S
S 1

S 12
R23E
1929

from which

A juniper, 12 ins. diam., bears S.72°30'W., 105 links distant, mkd. T 23 S R 23 E S 12 B T

A juniper, 3 ins. diam., bears N.44°W., 74 links distant, marked B T

77.90 Top of ridge, bears NE. and SW.

80.00 The corner of secs. 1, 6, 7 and 12, which is a sand-stone, 27x16x6 ins., and surrounded by a mound of stone, marked with 5 notches on the south and 1 notch on the north edge.

At the exact corner point.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the cor. of secs. 6 and 7, with brass cap marked

T23S
S 6

S 7
R24E
1929

from which

A juniper, 12 ins. diam., bears S.12°30'E., 89 links dist. marked T 23 S R 24 E S 7 B T

DEPENDENT RESURVEY OF WEST BOUNDARY OF T. 23 S., R. 24 E.

Chains

A juniper, 3 ins. diam., bears N.49°00'E., 53 links dist., marked B T

Land, broken bench; general drainage and exposure E.
Soil, sandy loam and surface sandstone; 4th rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

Independent resurvey superseding the survey executed by E. Buettner, U. S. Deputy Surveyor, in 1880.

North, on true line, along W. boundary of section 6.

Over broken bench land, through scattered timber and medium growth of undergrowth.

Descend 30 feet over N. slope.

21.03 Draw, course NE.; ascend 60 feet.

34.40 Rocky spur, projects W.

36.67 Northing of 40.00 chains from corner of secs. 1 and 12.

Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground to solid rock, with a sandstone, 9x7x6 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 1 only, with brass cap marked

$\frac{1}{4}$
S 1

1929

40.00 No trace of the original $\frac{1}{4}$ sec. cor. could be found.

Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground to solid rock, with a sandstone, 8x6x6 ins., deposited at the base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 6 only, with brass cap marked

$\frac{1}{4}$
S 6

1929

Ascend 25 feet along W. slope.

43.00 Spur, projects W.; descend 180 feet over NE. slope.

79.71 Intersect the N. boundary of the Tp. S. 89°26'E., 1.87 chains distant from the corner of T. 22 S., Rs. 23 and 24 E., heretofore described. At point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., over X cut in solid surface rock, surrounded by a mound of stone to the top, for the closing corner of T. 23 S., Rs. 23 and 24 E., with brass cap marked

INDEPENDENT RESURVEY OF WEST BOUNDARY OF T.23 S., R.24 E.

Chains

T23E R24E

S51

S 1 S 6
R23E R24E

T23S

C C

1929

Land, broken bench; general drainage and exposure NE.
Soil, sandy loam and surface sandstone; 4th rate.
Timber, scattered juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

EAST BOUNDARY OF T. 23 S., R. 24 E.

From the cor. of secs. 19, 24, 25 and 30, T. 23 S.,
Rs. 24 and 25 E., which is an iron post, 3 ins. in
diam., set 30 ins. in a large mound of stone, properly
marked and witnessed as described in the official rec-
ord.

South, on true line between sections 25 and 30.

Over broken bench land, through scattered timber and
medium growth of undergrowth.

Ascend 390 feet over NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut
in solid surface rock, 30 ins. in a large mound of
stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S 25 S 30

1929

from which

A pinon, 8 ins. diam., bears S.80°00'E., 234 links
dist., marked $\frac{1}{4}$ S 30 B T

A juniper, 3 ins. diam., bears S.37°15'W., 121
links dist., marked B T

Continue ascent of 55 feet over NE. slope.

46.50 Spur, projects NE.; descend 215 feet.

46.80 Top of sandstone rim, 40 ft. high, bears NE. and SW.

54.10 Bottom of draw, course NE.; ascend 295 feet over north
slope.

65.10 Top of ledge, 30 feet high, bears NE. and SW. Continue
ascent.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in
the ground to solid rock, surrounded by a mound of
stone to the top, for the cor. of secs. 25, 30, 31
and 36, with brass cap marked

T23S

R24E R25E

S25 S30

S36 S51

1929

from which

EAST BOUNDARY OF T. 23 S., R. 24 E.

Chains

211300

A pinon, 3 ins. diam., bears N. 21° 45' E., 88 links dist., marked T 23 S R 25 E S 30 B T

A pinon, 5 ins. diam., bears S. 49° 00' W., 51 links dist., marked T 23 S R 24 E S 36 B T

No other bearing trees available.

Land, broken bench; general drainage and exposure NE.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

South, between sections 31 and 36.

Over broken bench land, through scattered timber and undergrowth.

Ascend 280 feet over north slope.

23.80 Top of spur, projects SE. Gradual descent over S. slope.

28.00 Top of vertical rim, 250 feet high, bears E. and W.

Descend 400 feet over S. slope.

38.00 Bottom of canyon, course SE., and heads about 15 chains NW. Commence abrupt ascent of 380 feet over N. slope, to top of spur.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$

S 36 | S 31

1929

from which

A pinon, 8 ins. diam., bears S. 29° 30' E., 127 links dist., marked $\frac{1}{4}$ S 31 B T

A pinon, 6 ins. diam., bears N. 78° 00' W., 63 links dist., marked $\frac{1}{4}$ S 36 B T

Continue ascent.

52.10 Top of sandstone rim, 260 feet high, bears NW. and SE.

54.70 Top of spur, projects E. about 2.00 chains distant:

55.32 Set flag for triangulation.

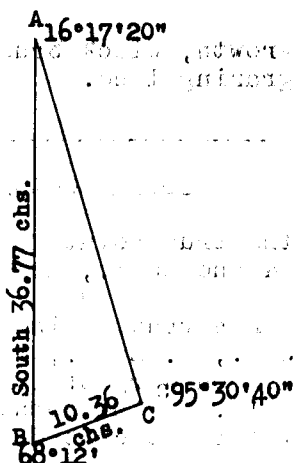
55.50 Top of sandstone rim, 200 feet high, bears NE. and SW.

The line to the south descends over vertical sandstone rim over which chaining is impracticable. Therefore to determine the distance I return to the 55.32 chs. point and triangulate as follows: designate this flag as A, and erect flag B on line to the south, also erect flag C southeasterly below the rim. The mean distance of the base line BC is 10.36 chains.

By 1st set of chainmen is 10.361 chains

By 2nd set of chainmen is 10.359 chains

Chains



All angles determined by three repetitions with error of 30" balance to 180°.

At point A is 16°17'20"

At point B is 68°12'

At point C is 95°30'40"

Total distance on line to A is - - - - 55.32 chains

Distance by triangulation A to B - - - - 36.77 chains

Total distance on line to B - - - - 92.09 chains

Distance by return measurement - - - - 9.31 chains

Total distance on line - - - - 82.78 chains

70.00 Approximate distance. Left rim of Line Canyon bears NE. and SW.

75.00 Bottom of Line Canyon, 100 feet deep, course NE.

80.00 True point for the corner of Ts. 23 and 24 S., Rs. 24 and 25 E., falls on sloping ledge, where it is impracticable to set corner.

82.78 Right rim of Line Canyon, bears NE. and SW.

Set an iron post, 3 ft. long, 3 ins. diam., 6 ins. in the ground to solid rock, and 30 ins. in a large mound of stone, for the witness corner of Ts. 23 and 24 S., Rs. 24 and 25 E., with brass cap marked

WC	
T23S	
R24E	R25E
S36	S31
S 1	S 6
T24S	
1929	

from which

A pinon, 9 ins. diam., bears N.88°45'E., 100 links dist., marked T 24 S R 25 E S 6 W C B T

A pinon, 10 ins. diam., bears S.72°30'E., 253 links dist., marked T 24 S R 25 E S 6 W C B T

A juniper, 3 ins. diam., bears S.17°00'W., 27 links dist., marked B T

No other bearing tree available.

Land, broken bench; general drainage and exposure NE. Soil, sandy loam and surface sandstone; 4th rate. Timber, scattered juniper and pinon.

EAST BOUNDARY OF T. 23 S., R. 24 E.

Chains

Undergrowth, black brush and mountain rush.
Poor grazing land.

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

From the true point for the corner of Ts. 23 and 24 S.,
Rs. 24 and 25 E., heretofore described.

West, on a random line along the south boundary of
T. 23 S., R. 24 E., for alinement only, and intersect
the E. boundary of T. 23 S., R. 23 E., 3.58 chains
N.0°03'W. of the corner of Ts. 23 and 24 S., R. 23 E.,
heretofore described.

Thence

From the true point for corner of Ts. 23 and 24 S.,
Rs. 24 and 25 E.

West, on true line, between sections 1 and 36.

Over very rough and broken bench land, through scattered
timber and undergrowth.

The line to the west passes over deep box canyon and
ascends over vertical sandstone rim, over which chain-
ing is impracticable. Therefore to determine the dis-
tance I run on offset and traverse as follows:

South, 12.09 chains,

S.74°00'W. 14.00 chains, At 40 links the East rim of
Line Canyon, 80 feet high,
bears N. and S.
At 2.20 chains the bottom of
Line Canyon, 140 feet deep,
course N.
At 14.00 chains a point 185
feet above point of beginning.

N.84°30'W. 7.97 chains, At 7.97 chains top of spur,
projects S.55 feet above angle
point.

N.43°15'W. 22.02 chains, Ascend 105 feet on this course.

South, 0.85 chains, Intersect true line, at point
36.48 chains west of the true
point for the township corner.

East, 48 links, To a point on true line at

36.00 Top of sandstone rim, 100 feet high, bears SE. and NW.

Thence West, on true line.

Gradual descent over W. slope of mesa land.

40.00 Set an iron post, 3 feet long, 1 in. diam., over X cut
in solid surface rock, in a mound of stone to the top
for the $\frac{1}{4}$ sec. cor.; with brass cap marked

S 36

$\frac{1}{4}$ ———

S 1

1929

from which

Chains

A juniper, 5 ins. diam., bears N.15°30'E. 94 links
dist., marked $\frac{1}{2}$ S 36 B T

A pinon, 12 ins. diam., bears S.25°45'W. 33 links
dist., marked $\frac{1}{2}$ S 1 B T

Descend 125 feet over NW. slope to top of rim.

43.40 Trail, bears NW. to Dewey, and SE. to Polar Mesa.

44.30 East rim of Cottonwood Canyon, 60 feet high, bears
NW. and SE.; descend 120 feet.

47.30 Bottom of Cottonwood Canyon, course NW.; ascend 275
feet to sec.cor.

62.10 West rim of Cottonwood Canyon, 20 feet high, bears NW.
and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in
the ground to solid rock, and surrounded by a mound
of stone to the top, for the cor. of secs. 1, 2, 35
and 36, with brass cap marked

T23S R24E

S35 S36

S 2 S 1

T24S

1929

from which

A pinon, 5 ins. diam., bears N.49°00'E. 185 links
dist., marked T 23 S R 24 E S 36 B T

A pinon, 7 ins. diam., bears S.21°00'E. 163 links
dist., marked T 24 S R 24 E S 1 B T

A pinon, 8 ins. diam., bears S.22°00'W. 190 links
dist., marked T 24 S R 24 E S 2 B T

A pinon, 5 ins. diam., bears N.42°30'W. 59 links
dist., marked T 23 S R 24 E S 35 B T

Land, broken bench; general drainage and exposure NW.
Soil, sandy loam and surface sandstone; 4th rate.

Timber, Juniper and pinon.

Fair grazing land.

Undergrowth, black brush and yellow top.

West, between sections 2 and 35.

Over broken bench land, through scattered timber and
undergrowth.

6.60 Small draw, course N.; ascend 65 feet along N. slope.

15.50 Top of spur, projects N.

15.68 The line to the west crosses the west fork of Cotton-
wood Canyon, which has vertical sandstone rims over
which chaining is impracticable. Therefore to deter-
mine the distance I triangle as follows: Erect flag
A at this point, and set flag B on line to the west;
from B measure base line north 10.00 chains, the mean
of two sets of chainmen.

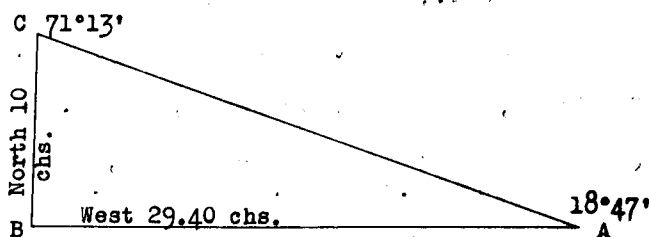
By 1st set is 10.001 chains

By 2nd set is 9.999 chains

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

Chains

The angle subtended at C is $71^{\circ}13'$; the angle subtended at A is $18^{\circ}47'$. All angles determined by three repetitions. Vertical angle A to B - $1^{\circ}30'$.



Distance on line to A is - - - - - 15.68 chains
 Distance by triangulation A to B is - - 29.40 chains
 Total distance on line to B is - - - - 45.08 chains
 Distance by return measurement is - - - 7.08 chains
 38.00 chains

- 30.00 Approximate distance. East rim of West Fork of Cottonwood Canyon, 100 feet high, bears N. and S.
- 34.00 Approximate distance. Bottom of West Fork of Cottonwood Canyon, 120 feet deep, course N.
- 38.00 West rim of the West Fork of Cottonwood Canyon, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., over X out in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{4}$ sec. cor. with brass cap marked

S 35
 $\frac{1}{4}$ ———
 S 2
 1929

from which

A juniper, 3 ins. diam., bears S. $7^{\circ}00'E$. 57 links distant, marked B T

A juniper, 6 ins. diam., bears N. $78^{\circ}45'W$. 70 links distant, marked $\frac{1}{4}$ S 35 B T

Ascend 125 feet over NE. slope.

- 45.08 Ascend 180 feet over N. slope to sec. cor.
- 60.00 Top of sandstone ledge, 40 feet high, bears NE. and SW.
- 80.00 Set an iron post, 3 feet long, 2 ins. diam., over X out in solid surface rock, and 30 ins. in a large mound of stone, for the cor. of secs. 2, 3, 34 and 35, with brass cap marked

T23S R24E
 S34 | S35
 ———
 S 3 | S 2
 T24S
 1929

from which

A juniper, 2 ins. diam., bears N. $20^{\circ}00'E$. 56 links distant, marked B. T

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

Chains

11 A pinon, 9 ins. diam., bears S. 38° 00' E. 247 links
dist., marked T 24 S R 24 E S 2 B T

12 A pinon, 8 1/2 ins. diam., bears S. 13° 00' W. 233 links
dist., marked T 24 S R 24 E S 3 B T

13 A pinon, 4 ins. diam., bears N. 55° 15' W. 160 links
dist., marked T 23 S R 24 E S 34 B T

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, scrub juniper and pinon.
Undergrowth, black brush and mountain rush.
Poor grazing land.

West, between sections 3 and 34.

Over broken bench land, through scattered timber and
undergrowth. Along broken N. slope.

13.00 Bottom of draw, course NE.

Ascend 85 feet over N. slope.

40.00 Set an iron post, 3 feet long, 1 in. diam., 15 ins. in
the ground to solid rock, and surrounded by a mound
of stone to the top, for the 1/2 sec. cor., with brass
cap marked

$$\begin{array}{r} S \ 34 \\ \frac{1}{2} \text{ ---} \\ S \ 3 \\ 1929 \end{array}$$

from which

A pinon, 5 ins. diam., bears N. 21° 15' E. 57 links
dist., marked 1/2 S 34 B T

A juniper, 4 ins. diam., bears S. 51° 15' E. 212 links
dist., marked 1/2 S 3 B T

Continue ascent of 10 feet along N. slope.

41.60 Top of spur, projects N.; descend 90 feet over NW. slope.

72.30 Bottom of draw, course N.; ascend 53 feet.

79.10 Top of ledge, 30 feet high, bears N. and S.

80.00 Set an iron post, 3 feet long, 2 ins. diam., 14 ins.
in the ground to solid rock, and surrounded by a
mound of stone to the top, for the cor. of secs. 3,
4, 33 and 34, with brass cap marked

$$\begin{array}{r} T23S \ R24E \\ S33 \ S34 \\ \hline S \ 4 \ S \ 3 \\ T24S \\ 1929 \end{array}$$

from which

A pinon, 6 ins. diam., bears N. 25° 00' E. 118 links
dist., marked T 23 S R 24 E S 34 B T

A pinon, 3 ins. diam., bears S. 16° 15' E. 140 links
dist., marked B T

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

Chains

A juniper, 3 ins. diam., bears S.63°30'W. 149 links
dist., marked B T

A pinon, 7 ins. diam., bears N.60°45'W. 174 links
dist., marked T 23 S R 24 E S 33 B T

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and yellow top.
Poor grazing land.

West, between sections 4 and 33.

Over broken bench land, through medium dense growth of
timber and undergrowth. Ascend 20 feet over NE. slope.

12.40 Top of spur, projects N.; descend 85 feet over NW. slope.

22.60 Bottom of draw, course N.; ascend 110 feet over NE. slope.

39.80 Top of spur, projects N.20°E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in
the ground to solid rock, and surrounded by a mound
of stone to the top, for the $\frac{1}{4}$ sec. cor. with brass
cap marked

S 33
 $\frac{1}{4}$ ———
S 4
1929

from which

A pinon, 5 ins. diam., bears S.51°30'E., 74 links
dist., marked $\frac{1}{4}$ S 4 B T

A pinon, 5 ins. diam., bears N.72°30'W., 69 links
dist., marked $\frac{1}{4}$ S 33 B T

Descend 30 feet over N. slope.

52.00 Bottom of draw, course NE.; ascend 135 feet over
NE. slope.

65.70 Top of flat spur, projects NE.; descend 50 feet over
N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in
the ground to solid rock, and surrounded by a mound
of stone to the top, for the cor. of secs. 4, 5, 32,
and 33, with brass cap marked

T23S R24E
S32 S33
S 5 S 4
T24S
1929

from which

A pinon, 6 ins. diam., bears N.51°45'E. 190 links
dist., marked T 23 S R 24 E S 33 B T

A pinon, 8 ins. diam., bears S.67°30'E. 183 links
dist., marked T 24 S R 24 E S 4 B T

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

Chains

A pinon, 14 ins. diam., bears S.3°45'W. 132 links
dist., marked T 24 S R 24 E S 5 B T

A juniper, 3 ins. diam., bears N.55°00'W. 88 links
dist., marked B T

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 4th rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Poor grazing land.

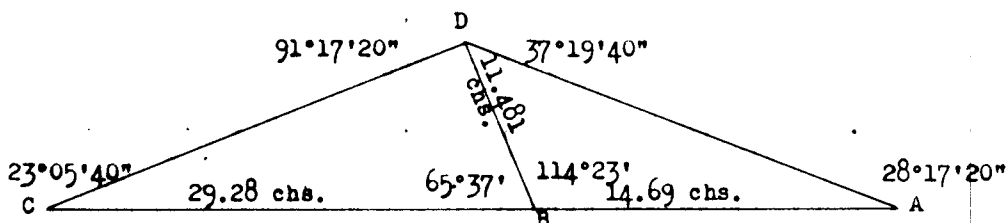
West, between sections 5 and 32.

Over broken bench land, through scattered timber and
undergrowth. Descend 45 feet over gentle W. slope.

13.17 East rim of the East Fork of Waring Canyon, 150 feet
high, bears N. and S.

The line to the west crosses the East and West Forks
of Waring Canyon, which has vertical walls over which
chaining is impracticable. To determine the distance
I triangulate as follows: erect flag A at this point,
and set flags B and C on line to the west. Also erect
flag D northwesterly from A. The mean distance of
base line BD is 11.481 chains.

By 1st set of chainmen is 11.482 chains
By 2nd set of chainmen is 11.480 chains



All angles by three repetitions with error of 30"
balanced to 180°.

The vertical angle from A to B is plus 5°; from B to C
is plus 1°.

Angle at point A is 28°17'20".
Angle at point B is 114°23' and 65°37' respectively.
Angle at point C is 23°05'40".
Angle at point D is 91°17'20" and 37°19'40" respectively.

Distance on line to A is - - - - - 13.17 chains
Distance by triangulation A to B is - - - - - 14.69 chains
Distance on line to B is - - - - - 27.86 chains
Distance by chaining - - - - - 4.43 chains
Total distance on line - - - - - 32.29 chains

Distance on line to B - - - - - 27.86 chains
Distance by triangulation B to C - - - - - 29.28 chains
Total distance on line to C is - - - - - 57.14 chains

19.50 Approximate distance. Bottom of East Fork of Waring
Canyon, 200 feet deep, course N.

27.86 West rim of the East Fork of Waring Canyon, 150 feet
high, bears N. and S.

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

Chains

32.29 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\begin{array}{r} S\ 32 \\ W\ C\ \frac{1}{4} \\ \hline S\ 5 \\ 1929 \end{array}$$

from which

A pinon, 7 ins. diam., bears N. 23° 30' E., 70 links dist., marked $\frac{1}{4}$ S 32 W C B T

A juniper, 6 ins. diam., bears S. 50° 45' E., 85 links dist., marked $\frac{1}{4}$ S 5 W C B T

32.50 East rim of the West Fork of Waring Canyon, 200 feet high, bears N. and S.

36.50 Bottom of West Fork of Waring Canyon, 250 feet deep, course N. 20° W.

40.00 True point for the $\frac{1}{4}$ sec. cor. falls on inaccessible sandstone ledges, where it is impracticable to set corner.

42.50 Approximate distance. Point of spur, projects N.

47.50 Approximate distance. Bottom of Waring Canyon, course N., 150 feet below top of spur.

54.00 Approximate distance. West rim of Waring Canyon, 250 feet above bottom, bears NE. and SW.

Gradual ascent of 40 feet over broken N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the cor. of secs. 5, 6, 31 and 32, with brass cap marked

$$\begin{array}{r} T23S\ R24E \\ S31\ S32 \\ \hline S\ 6\ S\ 5 \\ T24S \\ 1929 \end{array}$$

from which

A pinon, 3 ins. diam., bears N. 49° 15' E. 184 links dist., marked B T

A pinon, 8 ins. diam., bears S. 41° 45' E. 188 links dist., marked T 24 S R 24 E S 5 B T

A pinon, 5 ins. diam., bears S. 29° 45' W. 75 links dist., marked T 24 S R 24 E S 6 B T

A pinon, 12 ins. diam., bears N. 19° 15' W. 171 links dist., marked T 23 S R 24 E S 31 B T

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 4th rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Poor grazing land.

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

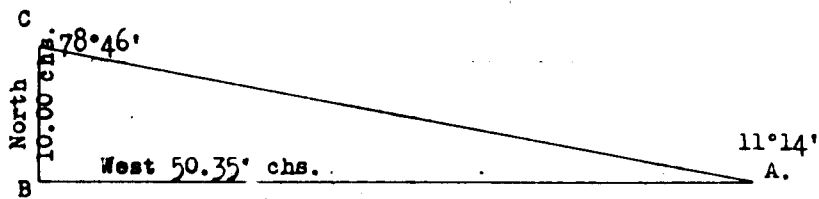
Chains

West, between sections 6 and 31. Over broken bench land, through scattered timber and undergrowth. Ascend 20 feet along N. slope.

4.29 Top of vertical sandstone rim, 300 feet high, bears N. and S. The line to the west descends over a vertical sandstone rim and precipitous slope over which chaining is impracticable. Therefore to determine the distance I triangulate as follows: Erect flag A at this point, and erect flag B on line to the west. From B survey base line North, 10.00 chains dist., the mean of two sets of chainmen.

By 1st set 9.999 chains
By 2nd set 10.001 chains

and erect flag C. The angle subtended at C is 78°46'; the angle subtended at A is 11°14'. All angles determined by three repetitions. Vertical angle from A to B is 22°10'.



Distance on line to A is - - - - -	4.29 chains
Distance by triangulation A to B - - - - -	<u>50.35 chains</u>
Total distance on line to B - - - - -	54.64 chains
Distance by return measurement - - - - -	<u>14.64 chains</u>
	40.00 chains

36.50 Approximate distance. Bottom of draw, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the 1/4 sec. cor., with brass cap marked

S 31
1/4
S 6
1929

from which

A juniper, 6 ins. diam., bears S.41°00'E. 25 links dist., marked 1/4 S 6 B T

A juniper, 3 ins. diam., bears N.36°30'W. 39 links dist., marked B T

Descend 20 feet over W. slope.

54.64 Point B of triangulation, 1355 feet below A. Descend 10 feet over NW. slope.

60.00 Small draw, course NW.; ascend 25 feet.

65.80 Top of small spur, projects NW.; descend 75 feet over NW. slope. The timber becomes very scattered.

SOUTH BOUNDARY OF T. 23 S., R. 24 E.

Chains

aniso

82.29 Intersect the E. boundary of T. 23 S., R. 23 E., 3.58 chains N.00°03'W. of the cor. of Ts. 23 and 24 S., R. 23 E., heretofore described. At point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for the closing cor. of Ts. 23 and 24 S., R. 24 E., with brass cap marked

T23S R24E
T23S S 31
S36 CC
R23E S 6
T24S
1929

raise a mound of stone, 2 ft. base, 1½ ft. high, E. of the corner.

Land, broken bench; general drainage and exposure W. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Poor grazing land.

SUBDIVISION OF T. 23 S., R. 24 E.

From the cor. of secs. 1, 2, 35 and 36, on the S. boundary heretofore described.

N.0°01'W., between sections 35 and 36.

Over broken bench land, through scattered timber and undergrowth.

Descend 205 feet over N. slope to bottom of canyon.

9.60 South rim of Cottonwood Canyon, 40 feet high, bears NW. and SE.

16.90 Bottom of Cottonwood Canyon, course NW.; ascend 95 feet.

26.60 North rim of Cottonwood Canyon, 75 feet high, bears NW. and SE.; gradually descend 60 feet over NW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, surrounded by mound of stone to the top, for the ¼ sec. corner, with brass cap mkd.

¼
S 35 S 36
1929

from which

A pinon, 4 ins. diam., bears N.80°00'E. 95 links dist., marked ¼ S 36 B T

A pinon, 6 ins. diam., bears N.59°45'W. 17 links dist., marked ¼ S 35 B T

Continue descent of 115 feet over NW. slope.

58.40 Bottom of draw, course N.75°W.; ascend 100 feet over broken W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, and surrounded in a large mound of stone to the top, for the cor. of secs. 25,

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

26, 35 and 36, with brass cap marked

T23S R24E

S26 S25

S35 S36

1929

from which

A pinon, 10 ins. diam., bears S.26°45'E. 451 links dist., marked T 23 S R 24 E S 36 B T

A juniper, 6 ins. diam., bears S.67°30'W. 216 links dist., marked T 23 S R 24 E S 35 B T

A pinon, 12 ins. diam., bears N.37°30'W. 4.10 chs. dist., marked T 23 S R 24 E S 26 B T

No other suitable bearing tree available.

Land, broken bench; general drainage and exposure NW. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Fair grazing land.

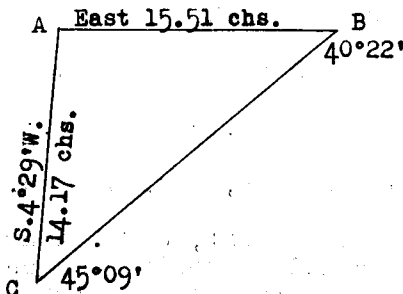
East, on random line, between sections 25 and 36.

The line to the east ascends over vertical sandstone rim over which chaining is impracticable. To determine the distance I triangulate as follows: Erect flag A at the sec. cor. and set flag B on line on top of rim. From A survey a base line, S.4°29'W. 14.17 chains, the mean of two sets of chainmen

By 1st set 14.171 chains

By 2nd set 14.169 chains

and erect flag C. The angle subtended at C is 45°09'; the angle subtended at B is 40°22'. The vertical angle on line from A to B is plus 14°.



Distance by triangulation - - - - - 15.51 chains

15.51 Point B of triangulation. Thence by chaining.

40.00 Set temporary $\frac{1}{4}$ section corner.

80.10 Intersect the E. boundary 37 links N. of the cor. of secs. 25, 30, 31 and 36, heretofore described.

Thence

N.89°44'W., on true line, between sections 25 and 36.

Over broken bench land, through scattered timber and

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

CHAINS

undergrowth; descend 65 feet over NW. slope.

15.90 Bottom of draw, course NE.; ascend 95 feet over general NE. slope.

40.05 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and 30 ins. in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 25

$\frac{1}{4}$

S 36

1929

from which

A pinon, 6 ins. diam., bears N.45°00'E. 42 links dist., marked $\frac{1}{4}$ S 25 B T

A pinon, 8 ins. diam., bears S.18°30'W. 84 links dist., marked $\frac{1}{4}$ S 36 B T

Continue ascent of 20 feet to

49.20 Top of ridge, bears N. and S.; descend 75 feet over NW. slope.

64.70 Top of sandstone rim, 200 feet high, bears NW. and SE.; descend over vertical ledge and precipitous slope 255 feet to

80.10 The cor. of secs. 25, 26, 35 and 36.

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface rock; 4th rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Poor grazing land.

N.0°01'W., between sections 25 and 26.

Over rough broken bench land, through scattered timber and undergrowth.

Descend 285 feet over general NW. slope to $\frac{1}{4}$ sec. cor.

21.40 Bottom of draw, course NW.; heads about 3 chains SE.

40.00 On top of spur, projects NW.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and surrounded in a large mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S 26 | S 25

1929

from which.

A pinon, 7 ins. diam., bears N.65°00'E. 135 links dist., marked $\frac{1}{4}$ S 25 B T

A pinon, 8 ins. diam., bears S.51°45'W. 169 links dist., marked $\frac{1}{4}$ S 26 B T

Descend 130 feet over general NW. slope.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

- 57.58 Foot of vertical sandstone rim, 300 feet high, bears NW. and SE. and point of mesa over which it is impracticable to chain. Therefore, to determine the distance I run on traverse line as follows:
- N.26°01'W., 10.28 chains.
- N.0°01'W., 13.16 chains.
- East, 4.51 chains to true line.
- The approximate topography on true line is:
- 63.00 Top of sandstone rim, bears NW. and SE.
- 69.50 Spur, projects N.70°W.
- 75.00 Rim of mesa, bears E. and W., 200 feet high.; descend abruptly.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in large mound of stone, for the cor. of secs. 23, 24, 25 and 26, with brass cap marked

T23S	R24E
S23	S24
S26	S25
1929	

from which

A pinon, 6 ins. diam., bears S.28°45'W. 210 links dist., marked T 23 S R 24 E S 26 B T

A pinon, 4 ins. diam., bears N.5°00'W. 252 links dist., marked B T

No other bearing trees available.

Land, broken bench; general drainage and exposure NW.
 Soil, sandy loam and surface sandstone; 3rd rate.
 Timber, juniper and pinon.
 Undergrowth, black brush and mountain rush.
 Fair grazing land.

S.89°44'E., on random line, between sections 24 and 25.

The line to the east ascends over vertical sandstone rim, over which chaining is impracticable. To determine the distance I triangulate as follows: Erect flag A at the sec. cor., and set flag B on line to the east, and from A survey base line N.0°16'E. 10.00 chains distant, the mean of two sets of chainmen.

By 1st set 10.001 chains,
 By 2nd set 9.999 chains,

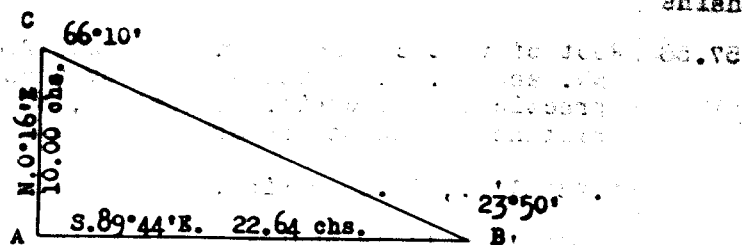
and erect flag C. The angle subtended at C is 66°10'.

The angle subtended at B is 23°50'. The angles were determined by three repetitions. The vertical angle from A to B is plus 10°.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

aligned



Distance by triangulation A to B - - - 22.64 chains

22.64 Point B of triangulation.

40.00 Set temporary $\frac{1}{4}$ section corner.

80.22 Intersect the E. boundary of the township 16 links S. of the cor. of secs. 19, 24, 25 and 30, heretofore described.

Thence

N. 89°51'W., on true line, between sections 24 and 25.

Over broken bench land, through scattered timber and undergrowth; descend 155 feet along N. slope.

15.50 Bottom of draw, course N. 20°E.; ascend 190 feet.

28.30 Top of flat spur, projects N. 20°E.; descend 30 feet over NW. slope.

40.11 Set an iron post, 3 ft. long, 1 in. diam., over X out in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 24

 $\frac{1}{4}$

S 25

1929

from which

A juniper, 4 ins. diam., bears N. 83°15'E. 41 links dist., marked $\frac{1}{4}$ S 24 B TA juniper, 6 ins. diam., bears S. 60°45'E. 85 links dist., marked $\frac{1}{4}$ S 25 B T

Descend 25 feet over NW. slope.

48.80 Bottom of draw, course NE.; ascend 15 feet.

57.60 Top of vertical sandstone rim, 200 feet high, bears NE. and SW.; descend over vertical ledges and precipitous slopes.

80.22 The cor. of secs. 23, 24, 25 and 26, 330 feet below rim.

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon.

Undergrowth, black brush and mountain rush. Fair grazing land.

N. 0°01'W., on random line, between secs. 23 and 24.

16.63 Set flag for triangulation.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

32.60

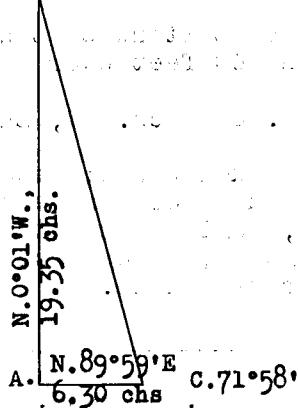
Foot of vertical sandstone ledge, 200 feet high, over which chaining is impracticable. To determine the distance I return to the flag set at 16.63 chains and designate it as A. Erect flag B on line to the north and survey base line BC N.89°59'E. 6.30 chains, the mean of two set of chainmen.

By 1st set is 6.299 chains.

By 2nd set is 6.301 chains.

The angle subtended at C is 71°58', and the angle subtended at B is 18°02'. The angles were determined by three repetitions and the bearing by deflection. The vertical angle on line from A to B is plus 12°.

B. 18°02'



Distance on line to A is - - - - - 16.63 chains

Distance by triangulation A to B is - 19.35 chains

Total distance on line to B - - - - - 36.98 chains

35.98

Point B of triangulation. Set temporary witness $\frac{1}{4}$ sec. cor.

79.61

Intersect the E. and W. line, 46 links W. of the cor. of secs. 13, 14, 23 and 24, which is an iron post, 2 ins. diam., extending 12 ins. above a mound of stone, properly marked, and witnessed as described in the official record.

Thence

S.0°20'W., on true line, between sections 23 and 24.

Over broken bench land, through scattered timber and undergrowth.

Descend 395 feet over SW. slope.

22.80

Top of sandstone rim, 200 feet high, bears NW. and SE.; continue descent.

34.06

Bottom of draw, course S.80°E.; ascend 150 feet.

39.805

True point for the $\frac{1}{4}$ sec. cor. falls on sloping sandstone, where it is impracticable to set corner.

43.63

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, surrounded by a mound of stone to the top, for the witness corner to the $\frac{1}{4}$ sec. cor., with brass cap marked

WC
S 23 S 24
1929

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

from which

A juniper, 4 ins. diam., bears S.74°00'E. 88 links
dist., marked WC $\frac{1}{4}$ S 24 BT

A juniper, 3 ins. diam., bears N.60°00'W. 118 links
dist., marked WC BT

44.20 Top of spur, projects NE.; also top of sandstone rim
bears NE. and SW.

47.00 Foot of vertical sandstone ledge, 200 feet high, bears
NE. and SW.

57.00 Wagon road, bears NE. and SW., from Scharf's ranch to
Dewey bridge.

59.60 Bottom of Cottonwood Canyon, 30 feet deep, course NE.;
ascend 60 feet over NE. slope.

79.61 The cor. of secs. 23, 24, 25 and 26.

Land, broken bench; general drainage and exposure NE.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

From the cor. of secs. 11, 12, 13 and 14, which
is an iron post, 2 ins. diam., surrounded by large
mound of stone, properly marked, and witnessed as
described in the official record.

N.0°01'W., on true line, between sections 11 and 12.

Over broken bench land, through very scattered timber
and medium dense undergrowth.

Descend 360 feet over broken NW. slope.

17.00 Rim of mesa, 20 feet high, bears NE. and SW. Continue
descent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
the ground to solid rock, and surrounded by mound of
stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap
marked

$\frac{1}{4}$
S 11 | S 12
1929

from which

A juniper, 3 ins. diam., bears N.69°45'E. 89 links
dist., marked B T

A juniper, 3 ins. diam., bears N.36°00'W. 81 links
dist., marked B T

Continue descent of 320 feet over broken N. slope to
the Dolores River.

44.50 Small draw, course NE.

62.70 Small draw, course NW.

76.96 Set flag for triangulation.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

77.19 Intersect the mean high water mark on the left bank of the Dolores River. At point of intersection
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander corner of secs. 11 and 12, with brass cap marked

MC
S 11 S 12
T23S R24E
1929

raise a mound

of stone, 2 ft. base, 1½ ft. high, S. of corner.

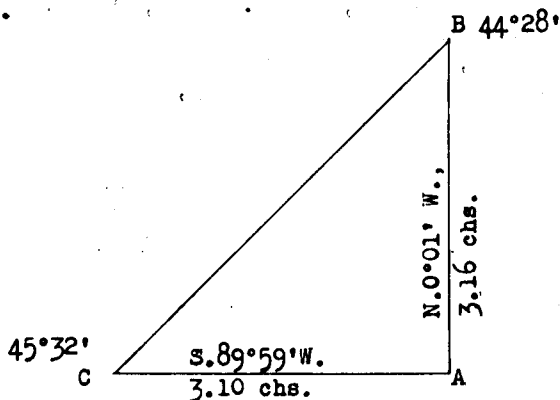
The line to the north crosses the Dolores River. To determine the distance I triangulate as follows:

Return to flag set at 76.96 chains designated as A, and set flag B on line on right bank of the Dolores River.

From A survey base line S.89°59'W. 3.10 chains dist., the mean of two set of chainmen,

By 1st set is 3.10 chains
By 2nd set is 3.10 chains

and erect flag C. The angle subtended at C is 45°32'; the angle subtended at B is 44°28'. Angles were determined by three repetitions and the bearings by deflection.



Distance on line to A - - - - -	76.96 chains
Distance by triangulation A to B - - -	3.16 chains
Total distance on line to B - - - - -	80.12 chains
Distance by return measurement - - - -	.12 chains
	80.00 chains

80.00 The mean high water mark on the right bank of the Dolores River.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 1, 2, 11 and 12, also the meander cor. of secs. 11 and 12, with brass cap marked

T23S R24E
S 2 S 1
S 11 S 12
MC
1929

raise a mound

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

chains

of stone, 3 ft. base, 2 ft. high, N. of cor.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

N.89°55'E., on a random line, between sections 1 and 12.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.60 Intersect the East boundary of the township, 5 links south of the cor. of secs. 1, 6, 7 and 12, which is an iron post, 3 ins. in diam., firmly set, properly marked and witnessed as described in the official record.

Thence

S.89°53'W., on true line, between sections 1 and 12.

Over broken bench land, through medium growth of undergrowth.

Descend 225 feet over W. slope.

29.30 Bottom of draw, course S.; ascend 80 feet.

39.80 Top of spur, projects S.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with sandstone, 10x9x8 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 1
 $\frac{1}{4}$ —
S 12
1929

Descend 130 feet over W. slope.

50.70 Bottom of draw, course S.; ascend 25 feet over E. slope.

59.60 Top of small spur, projects S.; descend 155 feet over SW. slope.

78.81 Intersect the mean high water mark of the right bank of the Dolores River. Thence along the mean high water mark on the right bank of the Dolores River.

79.60 The cor. of secs. 1, 2, 11 and 12, M. C. of secs. 11 and 12.

Land, broken bench; general drainage and exposure SW.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush and mountain rush.
Fair grazing land.

N.0°01'W., on a true line, between sections 1 and 2.

Over broken bench land, through medium dense growth of undergrowth; ascend 480 feet over SE. slope to top of spur.

Chains

10.50 Sandstone rim, 20 feet high, bears NE. and SW.

14.40 Top of spur, projects SW.; descend 60 feet over gradual N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a sandstone, 10x9x8 ins., marked X, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S. 2 | S 1

1929

Descend 135 feet over gradual N. slope.

64.10 Bottom of draw, course SW.; ascend 40 feet.

69.20 Top of rocky spur, projects SW.; descend 25 feet.

78.10 Bottom of draw, course SW.

80.26 Intersect the N. boundary of the township, 84 links S. 89°30'E. of the cor. of secs. 35 and 36, T. 22 S., R. 24 E., heretofore described. At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, with a sandstone, 8x6x6 ins., mkd. X, deposited at the base, and surrounded by a mound of stone to the top, for the closing cor. of secs. 1 and 2, with brass cap marked

T22S R24E

S 35

S 2 | S 1

T23S R24E

CC

1929

Land, broken bench; general drainage and exposure S. Soil, sandy loam and surface sandstone; 3rd rate. Timber, very scattering juniper. Undergrowth, black brush and mountain rush. Fair grazing land.

From the cor. of secs. 2, 3, 34 and 35, on the S. boundary of the township, heretofore described.

N. 0°01'W., between sections 34 and 35.

Over broken bench land, through scattered timber and undergrowth; descend 265 feet over N. slope.

28.00 Bottom of draw, course NE.; ascend 40 feet.

34.10 Top of ascent bears NE. and SW.; descend 60 feet.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S 34 | S 35

1929

from which

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

A juniper, 4 ins. diam., bears N.84°00'E., 63 links
dist., marked $\frac{1}{2}$ S 35 B T

A juniper, 5 ins. diam., bears N.82°30'W., 93 links
dist., marked $\frac{1}{2}$ S 34 B T

Continue descent of 290 feet over N. slope to sec. cor.

47.10 Telephone line, bears NW. and SE.; from Polar Mesa to
Dewey Bridge.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X out
in solid surface rock, and surrounded by a large mound
of stone to the top, for the cor. of secs. 26, 27, 34
and 35, with brass cap marked

T23S R24E

S 27 | S 26

S 34 | S 35

1929

from which

A juniper, 16 ins. diam., bears S.74°30'E., 55 links
dist., marked T 23 S R 24 E S 35 B T

A juniper, 3 ins. diam., bears S.64°45'W., 119 links
dist., marked B T

A juniper, 3 ins. diam., bears N.59°45'W., 60 links
dist., marked B T

No other suitable bearing tree available.

Land, broken bench land; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

East, on a random line, between sections 26 and 35.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, 16 links S. of the cor. of
secs. 25, 26, 35 and 36.

Thence

S.89°53'W., on true line, between sections 26 and 35.

Over broken bench land, through scattered timber and
undergrowth.

Descend 60 feet over W. slope.

14.50 East rim of Cottonwood Canyon, 80 feet high, bears N.
and S.

15.80 Bottom of Cottonwood Canyon, 100 feet below rim, course
N.; ascend 120 feet to top of rim.

17.10 West rim of Cottonwood Canyon, 80 feet high, bears N.
and S.

39.95 Set an iron post, 3 ft. long, 1 in. diam., over X out

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

revealed in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 26

S 35

1929

from which

A pinon, 5 ins. diam., bears N.85°00'E. 61 links dist., marked $\frac{1}{4}$ S 26 B T

A pinon, 4 ins. diam., bears S.73°30'E., 130 links dist., marked $\frac{1}{4}$ S 35 B T

Ascend 140 feet over broken N. slope to sec. cor.

76.30 Top of sandstone rim, 60 feet high, bears NW. and SE.

79.90 The cor. of secs. 26, 27, 34 and 35.

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Fair grazing land.

N.0°01'W., between sections 26 and 27.

Over broken bench land, through scattered timber and undergrowth; ascend over ledge.

.90 Top of sandstone ledge, 60 feet high, bears NW. and SE.; descend 150 feet over general NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by a mound of stone to top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 27 | S 26

1929

from which

A juniper, 4 ins. diam., bears S.11°30'E., 34 links dist., marked $\frac{1}{4}$ S 26 B T

A pinon, 6 ins. diam., bears N.66°00'W., 229 links dist., marked $\frac{1}{4}$ S 27 B T

Descend 40 feet over NE. slope.

47.10 South rim of canyon, 40 feet high, bears NE. and SW.; descend 50 feet.

48.00 Bottom of canyon, course NE.; ascend 50 feet.

49.00 Top of rim of canyon, 40 feet high, bears NE. and SW.

50.50 Wagon road, bears NE. and SW.; from Scharf's Ranches to Dewey Bridge.

50.60 Telephone line, bears NE. and SW.; from Scharf's Ranches to Dewey Bridge.

58.50 Foot of sandstone ledge, 100 feet high, bears NE. and SW.

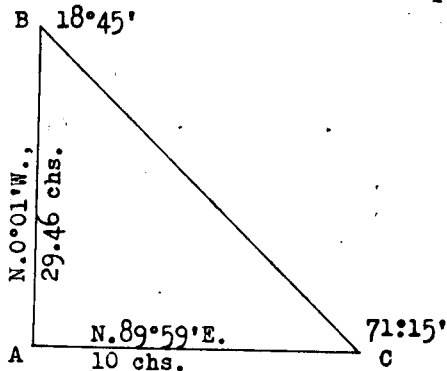
SUBDIVISION OF T. 23 S., R. 24 E.

Chains

The line to the north ascends over vertical ledge, over which chaining is impracticable. Therefore, to determine the distance I return to the $\frac{1}{4}$ sec. corner, and triangulate as follows: Erect flag A at the $\frac{1}{4}$ sec. cor. and set flag B on line to the north. From A survey base line N.89°59'E. 10.00 chains, the mean of two sets of chainmen

By 1st set is 10.001 chains
By 2nd set is 9.999 chains

and erect flag C. The angle subtended at C is 71°15'; the angle subtended at B is 18°45'. The angles were determined by three repetitions and the bearings by deflection. The vertical angle from A to B is plus 9°.



Distance on line to A - - - - - 40.00 chains
Distance by triangulation A to B - - 29.46 chains
Total distance on line to B - - - - - 69.46 chains

69.46 Point B of triangulation. Top of sandstone rim bears E. and W. 305 feet above $\frac{1}{4}$ sec. cor.

Descend 25 feet over N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 22, 23, 26 and 27, with brass cap marked

T23S	R24E
S 22	S 23
S 27	S 26
1929	

from which

A juniper, 3 ins. diam., bears N.65°45'E., 168 links dist., marked B T

A juniper, 6 ins. diam., bears S.20°00'E., 223 links dist., marked T 23 S R 24 E S 26 B T

A juniper, 7 ins. diam., bears S.75°30'W., 77 links dist., marked T 23 S R 24 E S 27 B T

A juniper, 4 ins. diam., bears N.5°00'W., 420 links dist., marked T 23 S R 24 E S 22 B T

Land, broken bench; general drainage and exposure NE.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

N.89°53'E., on a random line, between sections 23 and 26.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.94 Intersect the cor. of secs. 23, 24, 25 and 26.

Thence

S.89°53'W., on true line, between sections 23 and 26.

Over broken bench land, through scattered timber and undergrowth; descend 75 feet over NW. slope.

25.50 East rim of Cottonwood Canyon, 40 feet high, bears NE. and SW.

26.90 Bottom of Cottonwood Canyon, course NE.

27.80 West rim of Cottonwood Canyon, 40 feet high, bears NE. and SW.; ascend 70 feet to $\frac{1}{4}$ sec. cor.

33.90 Telephone line, bears NE. and SW.; from Scharf's Ranches to Dewey Bridge.

34.00 Wagon road, bears NE. and SW.; from Dewey Bridge to Scharf's Ranches.

39.97 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, surrounded by a mound of stone, to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 23

$\frac{1}{4}$ ———

S 26

1929

from which

A juniper, 8 ins. diam., bears S.75°00'W. 138 links dist., marked $\frac{1}{4}$ S 26 B T

A juniper, 5 ins. diam., bears N.59°30'W. 90 links dist., marked $\frac{1}{4}$ S 23 B T

Ascend 585 feet over SE. slope to sec. cor.

46.30 Top of sandstone rim, 300 feet high, bears NE. and SW.

79.94 The cor. of secs. 22, 23, 26 and 27.

Land, broken bench; general drainage and exposure SE. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Fair grazing land.

N.0°01'W., between sections 22 and 23.

Over broken bench land, through scattered timber and undergrowth. Descend 105 feet over NE. slope.

34.30 Small draw, course NE.; ascend 5 feet over SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

$\frac{1}{4}$
S 22 | S 23
1929

from which

A juniper, 5 ins. diam., bears S.48°00'E. 56 links
dist., marked $\frac{1}{4}$ S 23 B T

A juniper, 4 ins. diam., bears S.73°00'W. 172 links
dist., marked $\frac{1}{4}$ S 22 B T

Ascend 10 feet over SE. slope.

49.50 Top of ridge, bears SW. and NE.; descend 240 feet over
NW. slope.

79.85 The original cor. of secs. 14, 15, 22 and 23, bears East
26 links distant. This cor. is an iron post, 2 ins.
diam., extending 12 ins. above a mound of stone, prop-
erly marked and witnessed as described in the official
record. I destroy all evidence of this corner.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in
the ground to solid rock, surrounded by a mound of
stone, to the top, for the cor. of secs. 14, 15, 22 and
23, with brass cap marked

T23S R24E
S 15 | S 14
S 22 | S 23
1929

from which

A juniper, 3 ins. diam., bears N.14°15'E. 76 links
dist., marked B T

A juniper, 3 ins. diam., bears S.51°15'E. 71 links
dist., marked B T

A juniper, 3 ins. diam., bears S.51°15'W. 76 links
dist., marked B T

A juniper, 3 ins. diam., bears N.33°45'W. 103 links
dist., marked B T

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

Independent resurvey superseding survey executed
by H.W. Miller, U.S. Transitman, in 1911.

N.89°53'E., on a random line, between sections 14 and 23.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.26 Intersect N. and S. line 30 links N. of the cor. of
secs. 13, 14, 23 and 24, heretofore described.

Thence

N.89°54'W., on true line, between sections 14 and 23.

Over broken bench land, through scattered timber and

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

- undergrowth; descend 175 feet.
- 16.30 Bottom of draw, course NW.; ascend 75 feet.
- 33.00 Low ridge, bears N. and S.; descend 50 feet.
- 39.30 Bottom of draw, course N.
- 40.00 The original $\frac{1}{4}$ sec. cor. for secs. 14 and 23, bears N.15 links distant. This cor. is an iron post, 1 in. diam., extending 16 ins. above ground, properly marked and witnessed as described in the official record. I destroy all evidence of this corner.
- 40.13 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, with a sandstone, 8x6x4 ins. mkd. X, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 14
S 23
1929

- 44.00 Small draw, course N.; ascend 75 feet.
- 66.50 Top of ridge, bears N. and S.
- 70.30 Draw, course N.; ascend 50 feet.
- 77.00 Spur, projects NW.; descend 60 feet.
- 80.26 The cor. of secs. 14, 15, 22 and 23.
- Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.
- End of independent resurvey for mile between sections 14 and 23.

N.0°01'W., between sections 14 and 15.

Over broken bench land, through scattered timber and undergrowth; descend 65 feet along broken W. slope.

- 34.50 Bottom of draw, course NW.; head of draw about 3 chains SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 15 | S 14
1929

raise a mound

of stone, 3 ft. base, 2 ft. high, W. of cor.

Ascend 20 feet along S. slope.

- 42.10 Top of spur, projects NW.; descend 245 feet along NW. slope.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

78.20 Bottom of draw, course NW.; draw heads about 10 chains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, surrounded by a mound of stone, to the top, with a sandstone, 7x6x6 ins., marked X, deposited at the base, for the cor. of secs. 10, 11, 14 and 15, with brass cap marked.

T23S R24E

S 10 | S 11

S 15 | S 14

1929

Land, broken bench; general drainage and exposure NW.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

S.89°54'E., on a random line, between sections 11 and 14.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line, 12 links S. of the cor. of secs. 11, 12, 13 and 14.

Thence

N.89°59'W., on true line, between sections 11 and 14.

Over broken bench land, through very scattered timber and scattered undergrowth.

Descend 150 feet over broken NW. slope to the $\frac{1}{4}$ sec. cor.

33.20 Bottom of draw, course N.

38.10 Top of small spur, projects N.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by a large mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 11

$\frac{1}{4}$

S 14

1929

raise a mound.

of stone, 4 ft. base, 3 ft. high, N. of the cor.

40.10 Small draw, course N.

Gradual ascent of 125 feet over broken NE. slope.

80.00 The cor. of secs. 10, 11, 14 and 15.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

N. 0° 01' W., between sections 10 and 11.
Over broken benchland, through scattered undergrowth.
Descend 255 feet over NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a sandstone, 8x6x6 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 10 | S 11
1929

51.56 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the witness meander corner for secs. 10 and 11, with brass cap marked

WMC
S 10 | S 11
T23S | R24E
1929

raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of the cor.

52.00 Intersect the mean high water mark on the left bank of the Dolores River. The true point for the meander corner falls on cut bank where it is impracticable to set corner.

Thence across river by direct measurement.

55.70 Intersect the mean high water mark on the right bank of the Dolores River. At point of intersection.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. of secs. 10 and 11, with brass cap marked

T23S | R24E
S 10 | S 11
MC
1929

raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of the cor.

Ascend 365 feet over SE. slope to top of ascent.

59.50 Old wagon road and trail, bears NE. and SW.

73.80 Top of ascent, also top of ledge and rim of bench, 40 feet high, bears NE. and SW.; descend 5 feet.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, with a sandstone, 6x6x5 ins., marked X, deposited at the base, and in a mound of stone, to the top, for the cor. of secs. 2, 3, 10 and 11, with brass cap marked

T23S | R24E
S 3 | S 2
S 10 | S 11
1929

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Land, broken bench; general drainage and exposure NW. and SE. to Dolores River.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush and mountain rush.
Fair grazing land.

S.89°59'E., on random line, between sections 2 and 11.

29.94 Set temporary meander corner on right bank of Dolores River.

Thence along channel of river by direct measurement.

40.00 Point for the $\frac{1}{4}$ sec. cor., fall in the river.

46.70 Set temporary meander corner on the right bank of the Dolores River.

80.00 Intersect N. and S. line, 2 links S. of the cor. of secs. 1, 2, 11 and 12, and meander corner of secs. 11 and 12 on the right bank of the Dolores River.

Thence

West, on true line, between secs. 2 and 11.

Over broken bench land, through scattered undergrowth.

Ascend 120 feet over SE. slope.

.50 Trail and wagon road, bears SW. and NE.

19.20 Top of spur, projects S.; descend 135 feet over SW. slope.

33.30 Intersect the mean high water mark on the right bank of the Dolores River. At point of intersection,

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. of secs. 2 and 11, with brass cap marked

	T23S
MC	S 2
	S 11
	R24E
	1929

raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of the corner.

Thence across bend in the Dolores River.

40.00 True point for the $\frac{1}{4}$ sec. cor., falls in river; no corner set.

50.06 Intersect the mean high water mark on the right bank of the Dolores River. At point of intersection,

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander corner of secs. 2 and 11, with brass cap marked

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

T23S
S 11 2
S 11
R24E
1929

raise a mound

of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Thence over river bottom land.

54.50 Small draw, course S.; ascend 440 feet over SE. slope to sec. corner.

54.70 Old wagon road, also trail, bears N. and S.

76.00 Sandstone ledge, 40 ft. high, and rim of bench bears N. and S.

80.00 The cor. of secs. 2, 3, 10 and 11.

Land, broken bench; general drainage and exposure S.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush and mountain rush.
Fair grazing land.

N.0°01'W., on true line, between sections 2 and 3.

Over broken bench land, through scattered undergrowth.

Descend 180 feet over broken NE. slope to the $\frac{1}{4}$ sec. cor.

15.50 Sandstone rim, 30 ft. high, bears NW. and SE.

37.00 Old wagon road, also trail, bears NW. and SE.

37.20 Small draw, course SE.

37.30 Line passes along west edge of rocky knoll, about 5 chains in diameter.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock, with a sandstone, 8x6x6 ins., marked X, and deposited at the base; and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 3 | S 2
1929

41.70 Draw, course SW. (same as at 37.20 chains).

Ascend 180 feet to top of spur.

41.90 Trail and old wagon road, bears SW. and NE.

55.60 Trail, and old wagon road, bears SE. and NW.

73.00 Top of spur, projects NW.; descend 15 feet over NW. slope!

80.32 Intersect the N. boundary of the township, 89 links East of the cor. of secs. 34 and 35, T. 22 S., R. 24 E.
At point of intersection.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the closing cor. of secs. 2 and 3, with brass cap marked

T22S R24E
S 35
S 3 | S 2
T23S | R24E
CC
1929

Land, rough broken bench; general drainage S. and exposure NE. and SW.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush and mountain rush.
Fair grazing land.

From the corner of sections 3, 4, 33 and 34, on the S. boundary of the township, heretofore described.

N.0°02'W., between sections 33 and 34.

Over broken bench land, through scattered growth of timber and undergrowth.

Descend 310 feet over general N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 33 | S 34
1929

from which

A juniper, 5 ins. diam., bears S.9°30'E., 70 links dist., marked $\frac{1}{4}$ S 34 B T

A juniper, 6 ins. diam., bears N.63°30'W., 164 links dist., marked $\frac{1}{4}$ S 33 B T

Descend 80 feet over general N. slope.

79.00 Bottom of draw, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the cor. of secs. 27, 28, 33 and 34, with brass cap marked

T23S R24E
S28 | S27
S33 | S34
1929

from which

A pinon, 6 ins. diam., bears N.66°15'E., 145 links dist., marked T 23 S R 24 E S 27 B T

A pinon, 5 ins. diam., bears S.50°30'E., 37 links dist., marked T 23 S R 24 E S 34 B T

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

A juniper, 7 ins. diam., bears S.36°00'W. 149 links
dist., marked T 23 S R 24 E S 33 B T

A juniper, 3 ins. diam., bears N.40°45'W. 73 links
dist., marked B T

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

East, on a random line, between sections 27 and 34.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.95 Intersect the N. and S. line, 28 links S. of the cor.
of secs. 26, 27, 34 and 35.

Thence

S.89°48'W., on true line, between sections 27 and 34.

Over broken bench land, through scattered timber and
undergrowth; descend 155 feet to $\frac{1}{4}$ sec. cor.

30.30 Telephone line, bears NW. and SE., from Polar Mesa
to Dewey Bridges

39.975 Set an iron post, 3 ft. long, 1 in. diam., over X cut
in solid surface rock, 30 ins. in a large mound of
stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ S 27
S 34
1929

from which

A juniper, 3 ins. diam., bears S.82°30'E., 80 links
dist., marked B T

A juniper, 5 ins. diam., bears N.84°15'W., 92 links
dist., marked $\frac{1}{4}$ S 27 B T

Ascend 35 feet over NE. slope.

55.80 Point of spur, projects S.; descend 35 feet.

59.80 Bottom of draw, course S.; ascend 30 feet.

79.95 Intersect the cor. of secs: 27, 28, 33 and 34.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

N.0°02'W., on true line, between sections 27 and 28.

Over broken bench land, through scattered timber and
undergrowth.

Descend 185 feet over NE. slope to bottom of draw.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

- 29.70 Wagon road, bears NW. and SE., from Scharf's Ranches to Dewey Bridge.
- 33.10 Bottom of draw, course NE.; ascend 15 feet over S. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, and surrounded by a large mound of stone to the top, for the $\frac{1}{4}$ sec. cor. with brass cap marked

$\frac{1}{4}$
S 28 | S 27
1929

from which

A juniper, 3 ins. diam., bears N.72°00'E., 144 links dist., marked B T

A juniper, 5 ins. diam., bears N.41°00'W., 68 links dist., marked $\frac{1}{4}$ S 28 B T

Ascend 35 feet over S. slope.

- 42.90 Top of ridge, bears NW. and SE.; descend 365 feet over NE. slope to bottom of draw.
- 57.40 Telephone line, bears E. and W., from Polar Mesa to Dewey Bridge.
- 71.00 Bottom of draw, course NE.; ascend 30 feet.
- 74.40 Low spur, projects NE.; descend 40 feet.
- 76.90 Bottom of draw, course NE.; ascend 10 feet.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock and surrounded by a large mound of stone to the top, for the cor. of secs. 21, 22, 27 and 28, with brass cap marked

T23S R24E
S 21 | S 22
S 28 | S 27
1929

from which

A pinon, 14 ins. diam., bears N.70°15'E., 88 links dist., marked T 23 S R 24 E S 22 B T

A pinon, 4 ins. diam., bears S.35°45'E., 144 links dist., marked T 23 S R 24 E S 27 B T

A juniper, 7 ins. diam., bears S.55°15'W., 163 links dist., marked T 23 S R 24 E S 28 B T

A juniper, 3 ins. diam., bears N.69°00'W., 59 links dist., marked B T

Land, broken bench, general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

N.89°48'E., on random line, between sections 22 and 27.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N. and S. line, 9 links N. of the cor. of secs. 22, 23, 26 and 27.
- Thence S.89°52'W., on true line, between secs. 22 and 27.
- Over broken bench land, through scattered timber and undergrowth.
- Ascend 35 feet over NE. slope.
- 20.80 Top of ridge, bears NE. and SW.; descend 340 feet over W. slope to $\frac{1}{4}$ sec. cor.
- 28.50 Rim of mesa, 250 feet high, bears N. and S.
- 39.95 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, surrounded by a large mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\begin{array}{r} S\ 22 \\ \frac{1}{4} \\ S\ 27 \\ 1929 \end{array}$$
- from which
- A pinon, 5 ins. diam., bears S.76°15'W. 118 links dist., marked $\frac{1}{4}$ S 27 B T
- A pinon, 6 ins. diam., bears N19°00'W. 246 links dist., marked $\frac{1}{4}$ S 22 B T
- Descend 55 feet over NW. slope.
- 60.80 East rim of Cowskin Canyon, 90 feet high, bears N. and S.; descend 130 feet.
- 62.00 Bottom of Cowskin Canyon, course N.; ascend 130 feet.
- 65.00 West rim of Cowskin Canyon, bears N. and S.; ascend 5 ft.
- 66.90 Point of spur, projects NE.; descend 15 ft.
- 70.30 Bottom of draw, course NE.; ascend 30 feet over NE. slope.
- 79.90 The cor. of secs. 21, 22, 27 and 28.
- Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Fair grazing land.
-
- N.0°02'W., on random line, between sections 21 and 22.
- 45.71 Set temporary witness $\frac{1}{4}$ sec. cor.
- 79.92 Intersect E. and W. line, 30 links W. of the cor. of secs. 15, 16, 21 and 22, which is an iron post, 2 ins. diam., extending 10 ins. above a mound of stone, properly marked and witnessed as described in the official record.
- Thence

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

ended

S. 0° 11' W., on true line, between sections 21 and 22.
Over broken bench land, through scattered timber and undergrowth.

Descend 70 feet over S. slope.

2.40 Bottom of draw, course E.; ascend 250 feet over NE. slope to top of spur, at 20.20 chains.

9.20 Spur, projects E.

11.80 Draw, course E.

20.20 Spur, projects E.; descend 65 feet over broken SE. slope.

34.00 Low spur, projects E.

34.71 Top of sandstone ledge, bears NE. and SW.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid rock, surrounded by mound of stone to the top, for the witness $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 21 | S 22
W C
1929

from which

A juniper, 3 ins. diam., bears N. 57° 00' E., 110 links dist., marked B T

A pinon, 3 ins. diam., bears S. 54° 15' W., 18 links dist., marked B T

Ascend 335 feet over broken NE. slope to top of spur, at 73.90 chains.

39.96 True point for the $\frac{1}{4}$ sec. corner falls on sloping sandstone ledge, where it is impracticable to set cor.

67.90 Bottom of small draw, course NE.

73.90 Low spur, projects NE.; descend 35 feet.

79.92 The cor. of secs. 21, 22, 27 and 28.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and mountain rush.
Fair grazing land.

Independent Resurvey superseding the survey executed by H. W. Miller, U. S. Transitman, in 1911.

From the cor. of secs. 15, 16, 21 and 22, heretofore described.

N. 89° 52' E., on a random line; between sections 15 and 22.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.74 Intersect N. and S. line, 5 links N. of the cor. of secs. 14, 15, 22 and 23.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Thence

S.89°54'W., on true line, between sections 15 and 22.

Over broken bench land, through scattered timber and undergrowth.

Descend 375 feet over NW. slope to bottom of canyon.

2.80 Small draw, course NW.

14.50 Small draw, course N.

35.70 East rim of Cowskin Canyon, bears N. and S.

39.74 The original $\frac{1}{4}$ sec. cor. for secs. 15 and 22, bears S. 9 links distant, an iron post, 1 in. diam., surrounded by a large mound of stone, properly marked and witnessed as described in the official record. I destroy all evidence of this corner.

39.87 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock, with a sandstone, 16x12x8 ins. marked X, deposited at the base, and surrounded by a large mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 15
 $\frac{1}{4}$
S 22
1929

49.20 Bottom of Cowskin Canyon, course N.; ascend 100 feet.

57.70 Spur, projects NE.; descend 100 feet.

68.00 Bottom of draw, course NE. ascend 300 feet.

79.74 The cor. of secs. 15, 16, 21 and 22.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

End of Independent resurvey for mile between secs. 15 and 22.

From the cor. of secs. 9, 10, 15 and 16, which is an iron post, 2 ins. diam., surrounded by a large mound of stone to the top, properly marked and witnessed as described in the official record.

N.89°54'E., on a random line, between sections 10 and 15.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.54 Intersect N. and S. line, 35 links S. of the cor. of secs. 10, 11, 14 and 15.

Thence S.89°39'W., on true line, between secs. 10 and 15.

Over broken bench land, through scattered timber and undergrowth. Descend 40 feet over NW. slope.

3.00 Bottom of draw, course NW.; ascend 30 feet.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

- 23.80 Line passes over south edge of rocky knoll, about 3 chains in diam. Commence descent of 215 feet over SW. slope
- 24.20 Sandstone rim, 30 feet high, bears NW. and SE.
- 33.90 East rim of Cowskin Canyon, bears NW. and SE.
- 35.80 Bottom of Cowskin Canyon, course NW.; ascend 75 feet.
- 37.70 West rim of Cowskin Canyon, bears NW. and SE.
- 39.77 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with sandstone, 9x8x6 ins., marked X, deposited at the base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 10
 $\frac{1}{4}$ —————
 S 15
 1929

Ascend 110 feet over NE. slope.

- 53.40 Top of ascent bears N. and S.; descend 215 feet over NW. slope.
- 79.54 The cor. of secs. 9, 10, 15 and 16.

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Fair grazing land.

From the cor. of secs. 3, 4, 9 and 10, which is an iron post, 3 ft. long, 2 ins. diam., extending 10 ins. above a large mound of stone, properly marked and witnessed as described in the official record.

N.89°39'E., on a random line, between sections 3 and 10.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.

- 79.66 Intersect N. and S. line, 16 links N. of the cor. of secs. 2, 3, 10 and 11.

Thence

S.89°46'W., on true line, between sections 3 and 10.

Over broken bench land, through medium growth of undergrowth.

Ascend 220 feet over SE. slope.

- 15.20 Top of ascent, bears N. and S.; descend 85 feet to bottom of draw.
- 30.00 Enter scattered timber, bears N. and S.
- 34.70 Bottom of draw, course N.
- 39.83 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

S 3

S 10

1929

from which

A juniper, 4 ins. diam., bears N.74°45'E. 250 links
dist., marked $\frac{1}{4}$ S 3 B T

A juniper, 3 ins. diam., bears S.76°45'E. 150 links
dist., marked B T

Ascend 25 feet over broken N. slope.

79.66 The cor. of secs. 3, 4, 9 and 10.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

N.0° 02'W., on true line, between sections 3 and 4.

Over broken bench land, through scattering timber and
undergrowth.

Descend 100 feet over N. slope.

36.50 Head of small draw, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in
the ground to solid rock, and surrounded by a mound
of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass
cap marked

$\frac{1}{4}$
S 4 | S 3
1929

from which

A juniper, 3 ins. diam., bears N.67°15'E. 152 links
dist., marked B T

A juniper, 3 ins. diam., bears N.14°30'W. 274 links
dist., marked B T

Descend 70 feet over N. slope.

75.40 Small draw, course NW.

80.58 Intersect N. boundary of the township, 1.20 chains E.
of the cor. of secs. 33 and 34, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, for the closing cor. of secs. 3 and 4, T.
23 S., R. 24 E., with brass cap marked

T22S R24E
S 34
S 4 | S 3
T23S R24E
C C
1929

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

raise a mound

mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy.
of the township, heretofore described.

N.0°03'W., on true line, between sections 32 and 33.

Over broken bench land, through scattered timber and
undergrowth.

Descend 300 feet over N. slope.

40.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in
the ground to solid rock, and surrounded by a mound of
stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap
marked

$\frac{1}{4}$
S 32 | S 33
1929

from which

A pinon, 9 ins. diam., bears N.17°15'E. 56 links
dist., marked $\frac{1}{4}$ S 33 B T

A juniper, 4 ins., diam., bears S.71°45'W., 83 links
dist., marked $\frac{1}{4}$ S 32 B T

Descend 40 feet over N. slope.

41.00 Bottom of draw, course NE.

Descend 350 feet over broken NE. slope to sec. cor.

43.70 Low spur, slopes NE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in
the ground to solid rock, and surrounded by a mound of
stone to the top, for the cor. of secs. 28, 29, 32 and
33, with brass cap marked

T23S R24E
S 29 | S 28
S 32 | S 33
1929

from which

A juniper, 3 ins. diam., bears N.22°00'E. 25 links
distant, marked B T

A juniper, 3 ins. diam., bears S.66°00'E. 35 links
distant, marked B T

A juniper, 3 ins. diam., bears S.19°15'W., 66 links
distant, marked B T

A pinon, 3 ins. diam., bears N.16°15'W., 18 links
distant, marked B T

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

East, on a random line, between sections 28 and 33.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 12 links S. of the cor. of
secs. 27, 28, 33 and 34.

Thence

S.89°55'W., on true line, between sections 28 and 33.

Over broken bench land; through scattered timber and
undergrowth.

Ascend 70 feet over E. slope.

15.00 Top of ascent bears NW. and SE.; descend 250 feet to
bottom of draw.

28.10 Sandstone rim, 40 feet high, bears NW. and SE.

38.80 Bottom of draw, course N.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in
the ground to solid rock, and surrounded by a mound
of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass
cap marked

S 28

$\frac{1}{4}$ ———

S 33

1929

from which

A pinon, 10 ins. diam., bears N.71°15'E. 182 links
dist., marked $\frac{1}{4}$ S 28 B T

A juniper, 3 ins. diam., bears S.31°45'W. 36 links
dist., marked B T

Ascend 215 feet along N. slope.

56.20 Top of spur, projects NW.; descend 80 feet over SW.
slope.

77.90 Bottom of draw, course N.15°00'W.; ascend 20 feet.

80.02 The cor. of secs. 28, 29, 32 and 33.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

N.0°03'W., between sections 28 and 29.

Over broken bench land, through scattered timber and
undergrowth.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Descend 225 feet over broken N. slope to the $\frac{1}{4}$ sec. cor.

7.00 Bottom of draw, course NW.

13.50 Sandstone rim, 30 feet high, bears NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 29 | S 28
1929

from which

A juniper, 5 ins. diam., bears N.19°45'E. 82 links dist., marked $\frac{1}{4}$ S 28 B T

A juniper, 3 ins. diam., bears S.58°00'W. 108 links dist., marked B T

Descend 135 feet over N. slope.

46.90 Bottom of draw, course NE.; ascend 150 feet over SE. slope.

69.70 Top of rocky knoll, 5.00 chains in diam.,; descend. 225 feet over N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the cor. of secs. 20, 21, 28 and 29, with brass cap marked

T23S R24E
S 20 | S 21
S 29 | S 28
1929

from which

A pinon, 10 ins. diam., bears N.3°00'E. 59 links dist., marked T 23 S R 24 E S 21 B T

A juniper, 3 ins. diam., bears S.41°30'E. 52 links dist., marked B T

A juniper, 3 ins. diam., bears S.45°00'W. 86 links dist., marked B T

A pinon, 6 ins. diam., bears N.56°45'W. 93 links dist., marked T 23 S R 24 E S 20 B T

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush. Fair grazing.

N.89°55'E., on a random line, between sections 21 and 28.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line, 33 links N. of the cor. of secs. 21, 22, 27 and 28.

Thence

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

N.89°51'W., on true line, between sections 21 and 28.

Over broken bench land, through scattered timber and undergrowth.

Ascend 80 feet over SE. slope.

11.10 Top of ascent, bears NW. and SE.; descend 25 feet to draw.

12.10 Telephone line, bears NW. and SE.; from Scharf's Ranches to Dewey Bridge.

15.90 Wagon road, bears N. and S., from Scharf's Ranches to Dewey Bridge.

22.60 Bottom of draw, course N.; ascend 45 feet.

39.00 Top of spur, projects NE.; descend 15 feet.

40.06 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 21
 $\frac{1}{4}$ —
S 28
1929

from which

A pinon, 4 ins. diam., bears N.65°30'E., 50 links dist., marked $\frac{1}{4}$ S 21 B T

A pinon, 5 ins. diam., bears S.24°00'W., 121 links dist., marked $\frac{1}{4}$ S 28 B T

Descend 35 feet over NW. slope.

60.30 East rim of canyon, 30 feet high, bears N. and S.; descend 175 feet.

69.20 Bottom of canyon, course N.; ascend 125 feet to sec. cor.

73.60 West rim of canyon, 30 feet high, bears N. and S.

80.12 The cor. of secs. 20, 21, 28 and 29.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

N.0°10'E., on a random line, between sections 20 and 21.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.06 Intersect E. and W. line, 23 links E. of the cor. of secs. 16, 17, 20 and 21, which is an iron post, 2 ins. in diam., firmly set and surrounded by a mound of stone to top, properly marked and witnessed as described in the official record.

Thence

South; on true line, between sections 20 and 21.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Descend 50 feet to

2.50 Bottom of Waring Canyon, course NW.; ascend about 185 feet to

4.02 West rim of Waring Canyon, 50 feet high, bears NW. and SE., thence over broken bench land, through scattered timber and undergrowth. Ascend 330 feet over general N. slope to the $\frac{1}{4}$ sec. cor.

35.00 Line passes about 2 chains west of the bottom of Waring Canyon, which drains N.

40.03 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock, surrounded by a mound of stone, to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 20 | S 21
1929

from which

A juniper, 3 ins. diam., bears S.83°00'E., 95 links dist., marked $\frac{1}{4}$ S 21 B T

A juniper, 4 ins. diam., bears N.28°00'W., 39 links dist., marked $\frac{1}{4}$ S 20 B T

Ascend 125 feet over N. slope.

57.40 North rim of Waring Canyon, 50 feet high, bears NE. and SW.; descend 135 feet.

59.00 Bottom of Waring Canyon, course NE.; ascend 215 feet over N. slope to the sec. cor.

60.60 South rim of Waring Canyon, 50 feet high, bears NE. and SW.

80.06 The cor. of secs. 20, 21, 28 and 29.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Poor grazing land.

From the cor. of secs. 4, 5, 8 and 9, which is an iron post, 2 ins. diam., entirely surrounded by a mound of stone, properly marked and witnessed as described in the official record.

N.0°03'W., on true line, between sections 4 and 5.

Over broken bench land, through medium growth of undergrowth.

Ascend 135 feet over SW. slope.

26.60 Top of spur, projects NW.; descend 60 feet.

36.60 Bottom of draw, course W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

$\frac{1}{4}$
 S 5 | S 4
 1929

Ascend 70 feet over gentle S. slope to sec. cor.

41.90 Top of sandstone ledge, 30 feet high, bears E. and W.

79.12 Intersect the N. boundary of the township, N.88°45'E., 144 links distant from the cor. of secs. 32 and 33, heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the closing corner of secs. 4 and 5, T. 23 S., R. 24 E., with brass cap marked

T22S R24E
S33
 S 4 | S 5
 T23S | R24E
 C C
 1929

Land, broken bench; general drainage and exposure N.
 Soil, sandy loam and surface sandstone; 3rd rate.
 Timber, none.
 Undergrowth, black brush.
 Fair grazing land.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, heretofore described.

N.0°03'W., between sections 31 and 32.

Over broken bench land, through medium growth of timber, and scattered undergrowth.

Descend 220 feet over general N. slope to $\frac{1}{4}$ sec. cor.

7.80 Bottom of small draw, course NE.

23.30 Top of low ridge, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S 31 | S 32
 1929

from which

A pinon, 7 ins. diam., bears S.86°45'E., 76 links dist., marked $\frac{1}{4}$ S 32 B T

A pinon, 3 ins. diam., bears S.48°30'W., 16 links dist., marked B T

Descend 80 feet over N. slope.

55.00 Head of draw, course NW.; ascend 20 feet over SW. slope.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

66.00 Top of ridge, bears SE. and NW.; descend 40 feet over NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, to solid rock, and surrounded by a mound of stone, to the top, for the cor. of secs. 29, 30, 31 and 32, with brass cap marked

T23S R24E

S30|S29

S31|S32

1929

from which

A pinon, 3 ins. diam., bears N.66°00'E., 84 links dist., marked B T

A pinon, 10 ins. diam., bears S.66°00'E., 74 links dist., marked T 23 S R 24 E S 32 B T

A pinon, 5 ins. diam., bears S.41°00'W., 10 links dist., marked T 23 S R 24 E S 31 B T

A pinon, 7 ins. diam., bears N.24°15'W., 55 links dist., marked T 23 S R 24 E S 30 B T

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush. Fair grazing land.

East; on a random line, between sections 29 and 32.

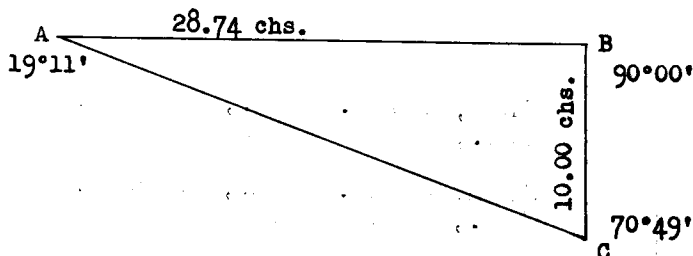
40.00 Set temporary $\frac{1}{4}$ section corner.

41.00 West rim of Waring Canyon, 150 feet high. The line to the east crosses Waring Canyon, over which chaining is impracticable. Therefore, to determine the distance I return to the temporary $\frac{1}{4}$ sec. cor., and triangulate as follows: Erect flag A at the temporary $\frac{1}{4}$ sec. cor., and set flag B on line to the east of Waring Canyon, also set flag C southeasterly on the east side of canyon. The angle subtended at A is 19°11', at B is 90°00', at C is 70°49'; the mean distance from B to C is 10.00 chains distance by two sets of chainmen

By 1st set 9.999 chains.

By 2nd set 10.001 chains.

The angles were determined by three repetitions balanced to 180°. The vertical angle from A to B is plus 1°.



Distance by triangulation A to B is - - - 28.74 chains.
Total distance on line to A is - - - 40.00 chains.
Total distance on line to B is - - - 68.74 chains

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

68.74 Point B of triangulation.

79.78 Intersect the cor. of secs. 28, 29, 32 and 33.

Thence

West, on true line, bet. secs. 29 and 32.

Over broken bench land, through scattered timber and medium growth of undergrowth.

Ascend 135 feet over NE. slope.

11.00 Spur, projects SE.

28.80 Approximate distance: East rim of Waring Canyon, 150 feet high, bears NE. and SW.

34.80 Approximate distance: Bottom of Waring Canyon, 200 feet below top of rim, course NE.

38.78 West rim of Waring Canyon, 150 ft. high, bears NE. and SW.

39.89 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to solid rock, surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} S\ 29 \\ \frac{1}{4} \text{ ---} \\ S\ 32 \\ 1929 \end{array}$$

from which

A juniper, 6 ins. diam., bears N.62°45'E., 133 links distance, marked $\frac{1}{4}$ S 29 B T

A pinon, 5 ins. diam., bears S.62°45'W., 75 links distance, marked $\frac{1}{4}$ S 32 B T

Ascend 120 ft. over NE. slope, to sec. cor.

45.80 Top of small spur, projects NE.

62.60 Small draw, course NE.

79.78 The cor. of secs. 29, 30, 31 and 32.

Land, broken bench, general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

West, on a random line, between secs. 30 and 31.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

64.56 Top of sandstone rim, 400 feet high, bears NW. and SE.

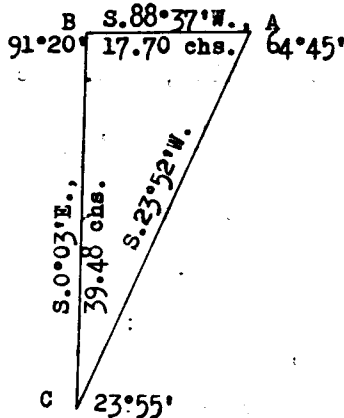
The line to the west descends over vertical rim, over which chaining is impracticable. To determine the distance I triangulate as follows: Erect flag A at this point, and designate the witness corner of sections 30 and 31 only on the W. boundary as B., which

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

ended

bears S.88°37'W. from A; designate the $\frac{1}{2}$ sec. cor. on the W. boundary sec. 31 as C., which bears S.23°52'W. from A. The bearings were determined by deflection. The vertical angle from A to B is 34°30'.



Distance by triangulation A to B is 17.70 chains, which equals 43 links southing, and 17.69 chains westing.

Total distance on line to A is - - - - 64.56 chains

Distance by triangulation (westing) - 17.69 chains

Total distance on line to B - - - - 82.26 chains

Therefore the bearing of this mile is N.89°56'W., and distance is 82.25 chains. W. C. is 52 links S.00°03'E. of the true cor. point and heretofore described.

Thence from true cor. point,

S.89°56'E., on true line, between secs. 30 and 31.

Over rough and broken bench land, through scattered timber and undergrowth.

Ascend 815 feet over precipitous slope and vertical rim.

17.70 Top of sandstone rim, 400 feet high, bears NW. and SE.

Gradual descent over NE. slope of 65 feet to

42.25 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{2}$ sec. cor., with brass cap marked

S 30
 $\frac{1}{2}$
S 31
1929

from which

A pinon, 7 ins. diam., bears N.65°15'E., 109 links dist., marked $\frac{1}{2}$ S 30 B T

A pinon, 3 ins. diam., bears S.1°45'E., 44 links dist., marked B T

Descend 170 feet over E. slope.

54.40 Bottom of box canyon, drains S. and heads about 3 chains N. This canyon is 7.80 chains wide.

64.50 Top of ridge, bears NW. and SE. 205 feet above bottom of canyon.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Descend 10 feet over NE. slope.

82.25 The cor. of secs. 29, 30, 31 and 32.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

N.0°03'W., between sections 29 and 30.

Over broken bench land, through scattered timber and undergrowth.

Descend 65 feet over NE. slope.

9.30 Bottom of draw, course NE.; ascend 50 feet.

25.50 Top of ridge, bears E. and W.; descend 190 feet.

38.50 Bottom of draw, course NE.; ascend 20 feet.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

†
S 30 | S 29
1929

from which

▲ pinon, 5 ins. diam., bears N.39°15'E., 202 links dist., marked $\frac{1}{4}$ S 29 B T

▲ juniper, 3 ins. diam., bears S.53°15'W., 115 links dist., marked B T

Descend 210 feet over NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and 30 ins. in a large mound of stone, for the cor. of secs. 19, 20, 29 and 30, with brass cap marked

T23S R24E
S 19 | S 20
S 30 | S 29
1929

from which

▲ juniper, 5 ins. diam., bears N.13°30'E., 119 links dist., marked T 23 S R 24 E S 20 B T

▲ juniper, 7 ins. diam., bears S.60°30'E., 43 links dist., marked T 23 S R 24 E S 29 B T

▲ pinon, 3 ins. diam., bears S.55°15'W., 158 links dist., marked B T

▲ juniper, 3 ins. diam., bears N.16°30'W., 70 links dist., marked B T

Land, broken bench; general drainage and exposure NE.
Soil, sandy loam and surface sandstone; 3rd rate.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

East, on a random line, between sections 20 and 29.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.80 Intersect N. and S. line, 7 links N. of the cor. of
secs. 20, 21, 28 and 29.

Thence

N.89°57'W., on true line, between sections 20 and 29.

Over broken bench land, through scattered timber and
undergrowth.

Descend 85 feet over NW. slope.

9.80 East rim of Waring Canyon, bears NE. and SW., 100 feet
high.

11.60 Bottom of Waring Canyon, 150 feet deep, course NE.

13.90 West rim of Waring Canyon, 100 feet high, bears NE.
and SW.

Ascend 260 feet over NE. slope to top of spur.

19.10 Sandstone rim, 40 feet high, bears NE. and SW.

32.50 Top of spur, projects NE.; descend 20 feet.

39.90 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in
the ground, to solid rock, surrounded by a mound of
stone to the top, for the $\frac{1}{4}$ sec. cor., with brass
cap marked

S 20

$\frac{1}{4}$ —
S 29

1929

from which

A juniper, 3 ins. diam., bears S.48°15'E., 239 links
dist., marked B T

A juniper, 5 ins. diam., bears N.22°45'W., 122 links
dist., marked $\frac{1}{4}$ S 20 B T

Descend 50 feet over N. slope.

41.80 Bottom of draw, course N.; ascend 240 feet.

68.00 Top of ridge, bears N. and S.; descend 65 feet to sec.
cor.

70.60 Old wagon road, bears N. and S.

79.80 The cor. of secs. 19, 20, 29 and 30.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

SUBDIVISION OF T. 22 S., R. 24 E.

Chains

N.89°56'W., on a random line between sections 19 and 30.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

82.24 Intersect the W. boundary, 7 links N. of the cor. of secs. 19 and 30, heretofore described.

Thence

S.89°59'E., on true line, between sections 19 and 30.

Over rough and broken bench land, through scattered timber and undergrowth.

Descend 50 feet over NE. slope.

5.50 Bottom of draw, course N.20°E. Continue descent over broken N. slope of 115 feet to the $\frac{1}{4}$ sec. cor.

36.60 Sandstone ledge, 30 feet high, bears N. and S.

42.24 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid sandstone surface rock, and 30 ins. in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S 19
 $\frac{1}{4}$ —
S 30
1929

from which

A pinon, 14 ins. diam., bears S.0°45'E., 135 links dist., marked $\frac{1}{4}$ S 30 B T

A pinon, 9 ins. diam., bears N.68°45'W., 30 links dist., marked $\frac{1}{4}$ S 19 B T

Ascend 120 feet over general N. slope.

62.60 Top of spur, projects N.15°E.; descend 15 feet.

81.20 Bottom of draw, course N.

82.24 The cor. of secs. 19, 20, 29 and 30.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd. rate.
Timber, juniper and pinon.
Undergrowth, black brush.
Fair grazing land.

North, on a random line, between sections 19 and 20.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.03 Intersect E. and W. line, 17 links W. of the cor. of secs. 17, 18, 19 and 20, which is an iron post, 2 ins. in diam., and 30 ins. in a mound of stone, properly marked and witnessed as described in the official record.

Thence

S.0°07'W., on true line, between sections 19 and 20.

Over broken bench land, through scattered timber and undergrowth.

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

Ascend 85 feet along W. slope.

39.20 Point of spur, projects NW.

40.015 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 19 $\frac{1}{2}$ S 20
1929

from which

A juniper, 5 ins. diam., bears S.29°00'E., 163 links dist., marked $\frac{1}{4}$ S 20 B T

A juniper, 8 ins. diam., bears S.36°30'W., 186 links dist., marked $\frac{1}{4}$ S 19 B T

Descend 25 feet over SW. slope.

44.20 Bottom of draw, course NW.

47.40 Bottom of same draw, course NE. Commence abrupt ascent of 390 feet over N. slope.

80.03 The cor. of secs. 17, 18, 19 and 20.

Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and mountain rush. Poor grazing.

From the cor. of secs. 5, 6, 7 and 8, which is an iron post, 2 ins. diam., firmly set, 30 ins. in a large mound of stone, properly marked and witnessed as described in the official record.

N.0°03'W., on true line, between sections 5 and 6.

Over broken bench land, through medium growth of undergrowth.

Ascend 200 feet over S. slope.

29.60 Spur, projects SW.; descend 120 feet over W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, with a sandstone, 8x6x7 ins. marked X, deposited at the base, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 6 $\frac{1}{2}$ S 5
1929

Descend 50 feet over NW. slope.

57.50 Draw, course NE.; ascend 125 feet over SE. slope.

65.80 Top of ridge, bears E. and W.; descend 105 feet over N. slope.

79.58 Intersect the N. boundary of the townships N.89°48'E.,

SUBDIVISION OF T. 23 S., R. 24 E.

Chains

272 links from the cor. of secs. 31 and 32, heretofore described. At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface sandstone, and 30 ins. in a large mound of stone, for the closing cor. of secs. 5 and 6, T. 23 S., R. 24 E., with brass cap marked

T22S R24E

S32

S 6 S 5
T23S R24E

C C

1929

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush and mountain rush.
Fair grazing land.

MEANDERS OF T. 23 S., R. 24 E.

Meanders of the Dolores River, Right Bank.

From the meander cor. of secs. 12 and 13, on the right bank of the Dolores River, which is an iron post, 1 in. in diam., extending 6 ins. above ground, properly marked and witnessed by a mound of stone to the East.

Thence downstream with the meander of the right bank of the Dolores River in section 12.

Along rocky shoreline at mean high water mark through scattered undergrowth.

N.85°35'W., 8.21 chains.
N.60°45'W., 6.40 chains.
N.27°00'W., 7.70 chains.
N.11°30'W., 3.50 chains.
N.7°30'E., 3.80 chains.
N.29°30'E., 3.40 chains.
N.50°15'E., 13.40 chains.
N.21°45'E., 7.80 chains.
N.32°15'E., 2.60 chains.

At 60 links on this course
mouth of draw drains from SE.

N.28°30'W., 6.60 chains.
N.63°30'W., 6.00 chains.
N.80°00'W., 7.50 chains.
S.79°15'W., 14.00 chains.
N.81°30'W., 7.80 chains.
N.70°30'W., 2.90 chains.
N.32°00'W., 4.10 chains.
N.6°45'E., 9.30 chains.
N.43°00'W., 4.40 chains.

At 1.00 chain on this course
mouth of draw drains from NE.

N.61°15'W., 11.20 chains.
N.69°00'W., 11.10 chains.
N.49°45'W., 10.00 chains.

S.89°53'W., 79 links along line between sections 1 and 12.
The meander corner for secs. 11 and 12, and cor. of secs. 1, 2, 11 and 12.

MEANDERS OF T. 23 S., R. 24 E.

	<p>Land, broken. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, willow, sage and rabbit brush.</p>
	<p>Thence downstream with the meanders in section 11. Along rocky shore line through scattered undergrowth, S.78°45'W., 8.45 chains.. S.67°30'W., 5.10 chains. S.72°45'W., 8.40 chains. N.67°15'W., 3.80 chains. N.62°23'W., 9.97 chains. The meander cor. of secs.2 and 11, on the right bank of the Dolores River.</p> <p>Land, broken. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, sage and rabbit brush.</p>
	<p>Thence downstream with the meanders in section 2. Along rocky shore line through medium growth of undergrowth. N.66°00'W., 6.80 chains. At .50 chas. mouth of draw drains from NE. S.75°30'W., 10.89 chains. The meander cor. of secs. 2 and 11, on the right bank of the Dolores River.</p> <p>Land, broken. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, rabbit, sage and willow brush.</p>
	<p>Thence downstream with the meanders in section 11. Along rocky shore line, through scattered undergrowth. S.71°15'W., 50 links. S.61°45'W., 3.50 chains. S.52°45'W., 8.40 chains. S.38°15'W., 9.84 chains. S.55°15'W., 8.00 chains. S.54°15'W., 8.70 chains. Intersect the meander cor. of secs. 10 and 11, on the right bank of the Dolores River.</p> <p>Land, broken. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, willow, sage and rabbit brush.</p>
	<p>Thence with the meanders downstream in section 10. Along rocky shore line, through scattered undergrowth.</p>

MEANDERS OF T. 25 S., R. 24 E.

S.47°30'W., 6.90 chains.
 S.23°30'W., 5.50 chains.
 S.14°45'W., 15.50 chains.
 S.50°00'W., 15.30 chains.
 S.54°45'W., 3.80 chains.
 S.55°30'W., 7.40 chains.
 S.59°00'W., 3.40 chains.
 S.67°45'W., 5.30 chains.
 S.75°00'W., 2.90 chains.
 S.85°45'W., 4.90 chains.
 N.87°15'W., 3.50 chains.
 N.55°30'W., 6.50 chains.
 N.27°30'W., 3.10 chains.
 N.59°00'W., 5.00 chains.
 N.56°33'W., 20.83 chains.

The meander cor. on the right bank of the Dolores River bet. secs. 9 and 10, which is an iron post, 1 in. diam., extending 10 ins. above a mound of stone, properly marked and witnessed as described in the official record.

Land, broken.
 Soil, sandy loam and surface sandstone; 3rd rate.
 Timber, none.
 Undergrowth, scattered willow and rabbit brush.

Meanders of the Dolores River, Left Bank.

From the meander corner on the left bank of the Dolores River, between sections 12 and 13, which is an iron post, 1 in. diam., completely surrounded by a mound of stone, properly marked and witnessed as described in the official record.

Thence with the meanders downstream in section 12.

Along rocky shore line, through medium growth of undergrowth.

N.49°30'W., 5.80 chains.
 N.31°30'W., 7.00 chains.
 N.10°30'W., 4.60 chains.
 N.8°15'E., 6.05 chains.
 N.44°45'E., 6.40 chains.
 N.53°15'E., 7.65 chains.
 N.46°30'E., 2.10 chains.
 N.28°15'E., 2.40 chains.
 N.16°00'E., 5.20 chains.
 N.31°15'W., 8.00 chains.
 N.72°00'W., 4.30 chains.
 N.88°45'W., 3.90 chains.
 S.79°45'W., 4.30 chains.
 S.72°30'W., 5.20 chains.
 N.88°00'W., 3.80 chains.
 N.81°15'W., 6.20 chains.
 N.66°30'W., 6.50 chains.
 N.49°45'W., 4.00 chains.
 N.14°00'W., 3.80 chains.
 N.9°15'E., 2.75 chains.
 N.4°15'E., 1.13 chains.
 N.31°00'W., 6.70 chains.
 N.51°15'W., 4.30 chains.
 N.71°00'W., 11.90 chains.
 N.52°00'W., 9.60 chains.
 N.63°45'W., 2.90 chains.

The meander cor. on the left bank of the Dolores River, bet. secs. 11 and 12.

MEANDERS OF T. 23 S., R. 24 E.

Chains

Land, broken.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush and willow brush.

Thence with the meanders downstream in section 11.

Along rocky shore line, through medium undergrowth.

N.75°15'W., 2.30 chains.
S.78°15'W., 4.30 chains.
S.60°15'W., 11.60 chains.
N.81°45'W., 7.40 chains.

At 6.40 chains the mouth of draw, drains from the south.

N.51°45'W., 5.70 chains.
N.70°15'W., 2.20 chains.
N.87°00'W., 4.50 chains.
N.79°30'W., 6.40 chains.
S.85°15'W., 5.10 chains.
S.64°30'W., 12.90 chains.
S.37°45'W., 8.10 chains.
S.57°45'W., 10.30 chains.
S.55°45'W., 4.00 chains.
S.43°17'W., 7.50 chains.

The true point for the meander cor. on the left bank of the Dolores River, bet. secs. 10 and 11.

Land, broken.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, willow, sage and rabbit brush.

Thence with the meanders downstream in section 10.

Along rocky shore line, through scattered undergrowth.

S.55°00'W., 3.10 chains.
S.29°00'W., 1.60 chains.
S.30°30'W., 4.90 chains.
S.5°30'W., 3.80 chains.
S.12°00'W., 7.20 chains.
S.2°00'E., 3.50 chains.
S.59°45'W., 6.90 chains.
S.40°45'W., 7.30 chains.
S.52°00'W., 12.90 chains.
S.55°00'W., 6.30 chains.
S.79°00'W., 13.66 chains.

At 7.66 chains mouth of Cow-skin Canyon, from the SE.

N.77°30'W., 5.90 chains.
N.74°00'W., 13.30 chains.
N.43°30'W., 8.90 chains.
N.48°15'W., 10.51 chains.

The meander cor. on the left bank of the Dolores River, bet. secs. 9 and 10, which is an iron post, 1 in. diam, extending 6 ins. above ground, properly marked and witnessed as described in the official record.

Land, broken.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, rabbit, sage and willow brush.

MEANDERS OF T. 23 S., R. 24 E.

From the meander corner on the left bank of the Dolores River, bet. secs. 15 and 16, which is an iron post, 1 in. diam., extending 6 ins. above a mound of stone, properly marked and witnessed as described in the official record.

Thence with the meanders downstream in section 15.

Along rocky shore line, through scattered undergrowth.

S.32°15'E., 6.10 chains.

S.13°45'E., 4.30 chains.

S.3°45'W., 10.16 chains.

S.44°36'W., 5.15 chains.

The meander cor. on the left bank of the Dolores River, bet. secs. 15 and 16, which is an iron post, 1 in. diam., extending 6 ins. above a mound of stone, properly marked and witnessed as described in the official record.

Land, broken.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, rabbit brush.

Meanders of the Colorado River.

From the meander cor. of sec. 5 only, on the N boundary of the township, on the right bank of the Colorado River, heretofore described.

Thence with the meanders of the right bank of the Colorado River, downstream in sec. 5.

Along rocky shore line, through dense undergrowth.

S.9°45'W., 4.74 chains.

S.33°15'W., 5.90 chains.

S.23°00'W., 12.90 chains.

S.24°00'W., 8.70 chains.

S.21°30'E., 5.30 chains.

S.14°15'E., 10.70 chains.

S.2°45'E., 16.00 chains.

S.22°15'E., 7.00 chains.

S.23°51'E., 13.20 chains.

The true point for the meander cor. bet. secs. 5 and 8, on the right bank of the Colorado River, which is 54 links E. of the witness meander cor. which is an iron post, 1 in. diam., extending 10 ins. above ground, properly marked and witnessed as described in the official record.

Land, broken.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, willow.

From the meander cor. of sec. 5 only, on the N. boundary of the township, on the left bank of the Colorado River, heretofore described.

Thence with the meanders on the left bank of the Colorado River downstream in section 5.

MEANDERS OF T. 23 S., R. 24 E.

Chains

Along rocky shoreline through heavy undergrowth.

- S.21°30'W., 7.82 chains.
- S.54°00'W., 3.15 chains.
- S.34°15'W., 14.70 chains.
- S.26°15'W., 3.35 chains.
- S.9°15'E., 6.90 chains.
- S.20°30'W., 4.40 chains.
- S.7°15'W., 3.10 chains.
- S.2°30'E., 9.70 chains.
- S.12°00'E., 10.10 chains.
- S.19°15'E., 6.60 chains.
- S.33°15'E., 4.50 chains.
- S.24°30'E., 7.70 chains.
- S.22°26'E., 4.90 chains.

At 3.10 chains mouth of draw drains from SE. At 4.90 chs. the meander cor. of secs. 5 and 8, on the left bank of the Colorado River, which is an iron post, 1 in. diam., 3 ft. long surrounded by a large mound of stone, properly marked and witnessed as described in the official record.

Land, broken.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, willow.

The meander cor. of secs. 18 and 19 on the left bank of the Colorado River is an iron post, 1 in. in diam., set, marked and witnessed as described in the official record. As this cor. now stands East, 2.50 chains distant from the present mean high water mark and true point for the meander corner, I change same to witness corner by marking the brass cap W C on the west side. The true point for the meander corner falls on cut bank, which is subject to erosion, where it is impracticable to set corner.

From the true point for the meander corner of secs. 18 and 19, on the left bank of the Colorado River.

Thence with the meanders of the left bank of the Colorado River downstream in sec. 19.

Along rocky shore line through dense undergrowth.

- S.71°22'W., 1.85 chains. The true point for the meander cor. of secs. 13 and 19, on the W. boundary, heretofore described.

Land, broken.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, willow.

Meanders of an Island in the Colorado River in sec. 5.

From the meander cor. for sec. 5, on the N. boundary of the township, heretofore described, on the north end of an island.

MEANDERS OF T. 23 S., R. 24 E.

Thence with the meanders of an island in sec. 5,
downstream.

Along gravelly shore line, through dense undergrowth.

S.63°15'W., 4.88 chains.

S.44°45'W., 7.90 chains.

S.23°00'W., 4.90 chains.

S.24°15'E., 4.90 chains.

South point of island.

Thence upstream.

N.17°15'E., 2.50 chains.

N.55°58'E., 6.57 chains.

N.42°15'E., 5.12 chains.

N.1°48'E., 6.94 chains.

To the meander for sec. 5
on the north boundary and
point of beginning.

Land, level.

Soil, sandy loam and gravelly; 3rd rate.

Timber, few scattered cottonwood.

Undergrowth, willow.

FINAL TEST OF INSTRUMENT.

December 12, 1929: With transit on meridian described
at the commencement of survey. 9h 0m a.m., l.m.t.,
I set off 23°02'30"S. on the declination arc, and 38°
45'N. on the latitude arc and orient the instrument
with the solar; the line of sight agrees with meridian
established by Polaris observation.

At 3h 0m p.m., l.m.t., with the latitude arc unchanged
I set off 23°03'30"S. on the declination arc, and repeat
the test of the solar; the line of sight agrees with
the meridian established by Polaris observation.

GENERAL DESCRIPTION.

The land embraced in the portion of T. 23 S., R. 24 E.,
Salt Lake Base and Meridian, under survey, is a rough
broken bench land, forming the breaks of the Colorado
and Dolores Rivers, ranging from 4250 feet to 5000 feet
elevation above sea level. The soil is a sandy loam
with a great deal of surface sandstone, 3rd rate. The
bench land is covered with a scattered growth of juniper
and pinon, with a few scattered cottonwoods along the
bottom of the canyons and the rivers. The timber has no
commercial value except for firewood. The undergrowth
on the benches consists of black brush and mountain rush,
and along the rivers and canyons, of willow, rabbit and
sagebrush, with a very sparse growth of bunch grass.

The land is used for the winter grazing of sheep, and
a few cattle and horses. The entire area shows the ef-
fects of overgrazing for a great number of years. I
estimate that about 500 head of sheep and 50 head of
cattle and horses could be grazing in the township
through the winter months.

There are no settlers on the portion of the township
under survey. The nearest postoffice is Cisco, Utah,
approximately 15 miles north.

There is no land under this survey suitable for farming.

There is no surface indication of mineral or oil.

There are intermittent springs in the bottom of Waring
Canyon, but in most places the water is inaccessible.

The Dolores River enters the township near the corner
of sections 7, 12, 13 and 18, on the East Boundary, and

GENERAL DESCRIPTION.

flows in a westerly direction into the Colorado River in section 8. The Colorado River enters the township on the north boundary of section 5 and flows in a south-westerly direction, and leaves the township near the corner of sections 18 and 19 on the west boundary.

The mean magnetic declination is 15° 15' E. 30.0

1880 30.0 1890 30.0

1900 30.0 1910 30.0

1920 30.0 1930 30.0

1940 30.0 1950 30.0

1960 30.0 1970 30.0

1980 30.0 1990 30.0

2000 30.0 2010 30.0

2020 30.0 2030 30.0

2040 30.0 2050 30.0

2060 30.0 2070 30.0

2080 30.0 2090 30.0

2100 30.0 2110 30.0

2120 30.0 2130 30.0

2140 30.0 2150 30.0

2160 30.0 2170 30.0

2180 30.0 2190 30.0

2200 30.0 2210 30.0

2220 30.0 2230 30.0

2240 30.0 2250 30.0

2260 30.0 2270 30.0

2280 30.0 2290 30.0

2300 30.0 2310 30.0

2320 30.0 2330 30.0

2340 30.0 2350 30.0

2360 30.0 2370 30.0

2380 30.0 2390 30.0

2400 30.0 2410 30.0

2420 30.0 2430 30.0

2440 30.0 2450 30.0

2460 30.0 2470 30.0

2480 30.0 2490 30.0

2500 30.0 2510 30.0

2520 30.0 2530 30.0

2540 30.0 2550 30.0

2560 30.0 2570 30.0

2580 30.0 2590 30.0

2600 30.0 2610 30.0

2620 30.0 2630 30.0

2640 30.0 2650 30.0

2660 30.0 2670 30.0

2680 30.0 2690 30.0

2700 30.0 2710 30.0

2720 30.0 2730 30.0

2740 30.0 2750 30.0

2760 30.0 2770 30.0

2780 30.0 2790 30.0

2800 30.0 2810 30.0

2820 30.0 2830 30.0

2840 30.0 2850 30.0

2860 30.0 2870 30.0

2880 30.0 2890 30.0

2900 30.0 2910 30.0

2920 30.0 2930 30.0

2940 30.0 2950 30.0

2960 30.0 2970 30.0

2980 30.0 2990 30.0

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Chas. F. Moore, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for District No. 6 bearing date of the 23rd day of February, 1928, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed and resurveyed all those parts or portions of T. 23 S., R. 24 E. of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for District No. 6 and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Salt Lake City, Utah Feb. 15, 1932.

Chas. F. Moore
Chas. F. Moore
Surveyor, General Land Office

APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,Denver Colo. December 9, 1937

The foregoing field notes of the survey of and resurvey of portions of
T. 23 S., R. 24 E., Salt Lake Base and Meridian, Utah

executed by Chas. F. Moore
assignment instruction dated October 1st, 1929.
under his special instructions dated February 23rd, 1928, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Quentin Brown
U.S. Supervisor of Surveys

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

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BOOK A-510

B

FIELD NOTES

OF THE SURVEY OF THE

RECEIVED

MAR 3 - 1932
Department Of The Interior
Public Survey Office
Salt Lake City, Utah

WEST THREE MILES OF THE SOUTH BOUNDARY.

SUBDIVISIONS AND MEANDERS.

ESTABLISHMENT OF 1/4 SEC. CORNS. ON NORTH BOUNDARY.

DEPENDENT RESURVEY

EAST THREE MILES OF THE SOUTH BOUNDARY

ONE MILE ON THE NORTH BOUNDARY.

T. 23 S., R. 23 E.

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

CLAS. F. MOORE, ~~SR.~~ SURVEYOR.

the capacity of ~~U.S.~~ Surveyor, under Special Instructions dated Feb. 23rd, 1928, issued by the District Cadastral Engineer to govern surveys included in Group 190 Utah, which were approved by the Commissioner of the General Land Office, April 25th, 1928, and Assignment Instructions dated Oct. 1st, 1929.

Survey commenced December 13th, 1929

Survey completed December 7th, 1930

3006 1510

INDEX DIAGRAM.

Township 23 SOUTH, Range 23 EAST.

99	98	98	2	97	97					
6	96	5	79	4	67	3	54	2	37	1
95	93	78	66	52	36					
7	92	8	77	9	65	10	51	11	34	12
91	90	76	64	50	33					
18	89	17	75	16	62	15	49	14	30	18
88	87	74	61	46	26					
19	86	20	73	21	60	22	44	28	23	24
85	84	72	59	43	20					
30	83	29	71	28	58	27	42	26	19	25
82	81	70	57	40	16					
31	80	32	68	33	55	34	39	35	13	36
12	11	9	8	7	5					

U. S. GOVERNMENT PRINTING OFFICE 6-151

Meanders of the Colorado River from page 99 to 108.

Survey commenced Dec. 13, 1929, by Chas. F. Moore, U. S. Surveyor, and was executed with Buff and Buff light mountain transit No. 9983. The instrument was approved for use on this survey conditional upon satisfactory field test, in assignment instructions dated October 1st, 1929, issued by the District Cadastral Engineer for Utah. For full description and tests of this instrument, see those given in the official field notes of the survey of T. 23 S., R. 24 E., of this group. The field work was discontinued on this township Dec. 13, 1929.

Field work was resumed Oct. 9th, 1930 by Chas. F. Moore, U. S. Surveyor, and executed with Buff and Buff light mountain transit No. 9983, the same instrument that was used on the survey in 1929.

Oct. 9, 1930, in camp near the corner of sections 12 and 13, on the east boundary, approximate latitude $38^{\circ}48'N.$, longitude $109^{\circ}19'W.$, at 6h 31m p.m., l.m.t. or 6h 46m 52s by my watch, which reads correct 105th Meridian time as determined by radio signals. I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground 10 chs. N. Oct. 10th, 1930, 6h a.m., l.m.t. I lay off the azimuth of Polaris $1^{\circ}22\frac{1}{2}'$, and make a meridian mark on a second peg to the west of the mean point in the line determined by observation.

Every 30 min. from 7 to 10:30 a.m., and from 1:30 to 5 p.m. I make the proper settings on the arcs of the solar attachments and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than $1'30''$.

I repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

MEASUREMENTS

Unless otherwise specified all measurements are made with Lallie steel ribbon tapes, 5 and 8 chs. in length, compared with a Lufkin standard steel tape, 1 chain in length and found correct. The measurements are made on the slope, the vertical angle determined and the slope measurements properly reduced to true horizontal distances.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY T.23 S., R.23 E.

Reestablishment of the survey of the S. boundary of section 34, T. 22 S., R. 23 E., executed by Howard W. Miller, U. S. Transitman, in 1911

Random Line

From the corner of sections 2, 3, 34 and 35, Tps. 22 and 23 S., R. 23 E., hereinafter described.

West on a random line between sections 3 and 34.

40.00 After diligent search no trace of the $\frac{1}{4}$ section corner could be found. Set temp. $\frac{1}{4}$ section corner.

80.74 The corner of sections 3, 4, 33 and 34, Tps. 22 and 23 S., R. 23 E., hereinafter described.

True Line

From the corner of sections 2, 3, 34 and 35, Tps. 22 and 23 S., R. 23 E., which is an iron post, 3 ins. diam., surrounded by a mound of stone to the top, properly marked and witnessed as described in the official record. I deface all markings on this post that refer to T. 23 S., R. 23 E.

West, on a true line, on S. boundary of section 34.

Over broken bench land, through scattering growth of timber and undergrowth.

3.50 Bottom of draw, course N. Ascend 15 feet.

9.40 Spur, projects NE. Descend 125 feet to bottom of canyon.

26.70 Sandstone rim, 20 feet high, bears N. and S.

30.30 Bottom of canyon, course NE. Ascend 120 feet to $\frac{1}{4}$ section corner for section 34.

Chains
37.41 Midway between the closing corners for secs. 2 and 3,
and Sandstone T. 23 S., R. 23 E., hereinafter described.
Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in
the ground, to solid rock, and surrounded by mound of
stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 3 only,
with brass cap mkd.

1930 from which

A juniper, 6 ins. diam., bears S.26°30'E., 53 lks.
dist., mkd. $\frac{1}{4}$ S 3 B T.

A juniper, 4 ins. diam., bears S.71°00'W., 39 lks.
dist., mkd. $\frac{1}{4}$ S 3 B T.

38.80 Sandstone rim, 15 ft. high, bears N. and S.

40.37 At proportionate point

Set an iron post, 3 ft. long, 1 in. diam., over X cut
in solid surface rock, and surrounded by mound of stone
to the top, for the $\frac{1}{4}$ sec. cor. for sec. 34 only,
with brass cap mkd.

$\frac{1}{4}$ S 34

1930

from which

A juniper 4 ins. diam., bears N.65°00'E., 57 lks.
dist., mkd. $\frac{1}{4}$ S 34 B T.

A juniper, 3 ins. diam., bears N.20°00'E., 10 lks.
dist., mkd. B T.

44.70 Top of spur, projects NE. Descend 20 ft.

50.40 Bottom of draw, course NE. Ascend 40 ft.

63.30 Spur, projects NE. Descend 120 ft. to the sec. cor.

65.50 Sandstone rim, 15 ft. high, bears N. and S.

77.16 Point for the closing cor. of secs. 3 and 4, T. 23 S.,
R. 23 E., hereinafter described.

80.74 The corner of secs. 3, 4, 33 and 34, Tps. 22 and 23 S.,
R. 23 E., which is an iron post, 3 ins. diam., entirely
surrounded by mound of stone, properly mkd. and
witnessed as described in the official record. I deface
all markings on this post referring to T. 23 S., R. 23 E.
leaving same for the corner of sections 33 and 34.

DEPENDENT RESURVEY OF THE NORTH BOUNDARY OF T. 23 S., R. 23 E.

Chains

Land, broken bench; general drainage and exposure N. 78° E.
 Soil, sandstone surface rock and sandy loam; 3rd rate.
 Timber, juniper and pinon.
 Undergrowth, blackbrush.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T. 23 S., R. 23 E.

"Reestablishment of the surveys executed by E. Buettner
 U.S. Deputy Surveyor in 1880".

Random lines.

From the reconstructed corner of Tps. 23 and 24 S.,
 R. 23 E., hereinafter described.

West on random line bet. secs. 1 and 36.

39.92 Fall 14 lks. N. of the sec. cor., for secs. 1 and 36,
 hereinafter described.

79.84 Fall 27 lks. N. of the corner of secs. 1, 2, 35 and 36,
 hereinafter described.

The true bearing of this mile therefore is S. 89° 48' W.,
 79.84 chs. distance.

From the corner. of secs. 1, 2, 35 and 36, hereinafter
 described.

West, on random line bet. secs. 2 and 35.

19.71 Set flag for triangulation.

19.88 No trace of the orig meander cor. on the left bank
 of the Colorado River could be found.

22.39 On the mean high water mark on the left bank of the
 Colorado River, set temp. meander corner.

The line to the west crosses the Colorado River over
 which chaining is impracticable. Therefore to determine
 the distance I return to 19.71 chs. point and triangulate
 as follows. Designate flag at 19.71 chs. as A, and set
 flag B on west side of river, and erect flag C south-
 westerly from A. The mean distance of the base line AC
 is 5.353 chs.

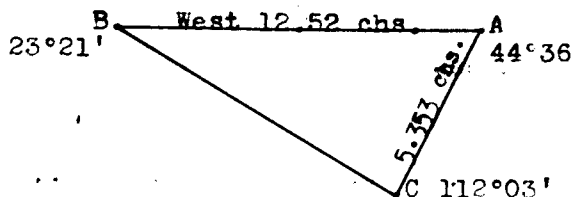
by 1st set of chainmen 5.353 chs.
 by 2nd set of chainmen 5.353 chs.

The angles were determined by three repetitions with
 theodolite to reduce for any error in the

Chains

error balanced to 180°.

The vertical angle from A to B is plus 1°.



Angle at point A is 44°36'

Angle at point B is 112°03'

Angle at point C is 23°21'

Distance on line to point A is -----19.71 chs.

Distance by triangulation A to B is-----12.52 chs.

Total distance on line to B is -----32.23 chs.

By return measurement ----- .94 chs.

31.29 chs.

30.60 Point for the orig weander cor. on the right bank of the Colorado River, falls in the river.

31.29 The mean high water mark on the right bank of the Colorado River. Set temp. $\frac{1}{2}$ sec. cor.

40.00 No trace of the orig. $\frac{1}{2}$ sec. cor. could be found, Set temp. $\frac{1}{2}$ sec. cor.

80.00 No trace of the orig. corner of secs. 2, 3, 34 and 35, could be found. Set temp. sec. cor.

From the temp. cor. of secs. 2, 3, 34 and 35.

West on random line. bet. secs. 3 and 34.

40.00 No trace of the orig. $\frac{1}{2}$ sec. cor. could be found. Set temp. $\frac{1}{2}$ sec. cor.

72.20 No trace of the orig. witness corner to secs. 3, 4, 33 and 34 could be found.

80.00 Set temp. cor. of secs. 3, 4, 33 and 34.

True lines.

From the cor. of Tns. 23 and 24 S., R. 23 E., which is an iron post, 3 ins. diam., set, marked and witnessed as described in the official record of T. 23 S., R. 24 E., Group No. 190 - Utah. S. 89°48' W., on true line bet. secs. 1 and 36.

Over rocky bench land, through scattering undergrowth.

Descend 130 ft. over W. slope. to the $\frac{1}{2}$ sec. cor.

9.00 Draw course NW.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY T.23S. R23 E.

Chains

18.20

Small spur, projects N.

39.92

The orig. $\frac{1}{4}$ sec. cor., for secs. 1 and 36, which is an sandstone, 20 x 20 x 2 ins. above ground, mkd. $\frac{1}{4}$ on the N. face, unwitnessed.

At the exact corner point

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the orig $\frac{1}{4}$ sec. cor., alongside, for the $\frac{1}{4}$ cor. of secs. 1 and 36, with brass cap mkd.

$\frac{1}{4}$

S 36

S 1

1929

and raise

mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

41.10

Bottom of draw, course NW. Ascend 30 ft.

46.80

Small spur, projects N. Descend 80 ft. over broken N. slope to the sec. cor.

50.00

Small draw, course NW.

61.10

Road, bears NE and SW., from Cisco, Utah, to Castleton, Utah.

69.30

Spur, projects N.

73.10

Draw, course NW.

79.84

The cor. of secs. 1, 2, 35 and 36, which is a sandstone 20 x 18 x 6 ins. above ground, properly mkd. and set in a mound of stone.

At the exact corner point

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the orig. cor. alongside, for the cor. of secs. 1, 2, 35 and 36, with brass cap mkd.

T23S R23E

S35 S36

S 2 S 1

T24 S

1929

and raise

mound of stone 3 ft. base, 3 ft. high W. of the cor.

The SE. cor. of old log cabin, 18 x 12 ft., bears N.35°55'W., 1.12 chs. dist.

Land, broken bench; general drainage and exposure N.

Soil, sandy loam and surface sandstone; 3rd rate.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T.23 S., R.23 E.

Chains

Timber, none.
Undergrowth, Blackbrush.
Poor grazing.

West, on true line, between sections 2 and 35.

Over nearly level bottom land, through scattering undergrowth.

19.88 Record position of original meander corner.

20.00 Enter dense willow brush, bears NE. and SW.

22.39 The mean high water mark on the left bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander corner of sections 2 and 35, with brass cap marked

T23S R 23E
S 35
MC
S 2
T24S
1929

and raise

a mound of stone, 3 ft. base, 2 ft. high, E. of the cor.

Thence across the Colorado River.

30.60 Original point for the meander corner.

31.29 The mean high water mark on the right bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander corner of sections 2 and 35, with brass cap marked

T23S R23E
S 35
MC
S 2
T24S
1929

and raise

mound of stone, 3 ft. base, 3 ft. high, W. of the cor.

Thence over broken bench land, through scattering undergrowth.

39.00 Small draw, course S.

40.00 Record course and distance.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the restored $\frac{1}{4}$ section corner, with brass cap marked

S 35
 $\frac{1}{4}$ —
S 2
1929.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF THE TYPICAL R. 25

Chains	
	and raise mound of stone, 3 ft. base, 3 ft. high, N. of the cor. Ascend 80 ft. over broken S. slope.
80.00	Record course and distance. Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground for the corner of sections 2, 5, 54 and 35, with brass cap marked T23S R23E S 34 S 35 S 3 S 2 T24S 1929 and raise mound of stone, 3 ft. base, 3 ft. high, W. of the cor. Land, broken bench and river bottom; general drainage and exposure S. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, blackbrush and willow. Poor grazing.
	West, on true line, between sections 3 and 34. Over broken bench land, through scattering undergrowth, Ascend 135 ft. over broken SE. slope, to the $\frac{1}{4}$ section corner.
26.10	Small draw, course SE.
38.20	Small spur, projects S.
40.00	At record course and distance. Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the $\frac{1}{4}$ section corner, with brass cap marked S 34 $\frac{1}{4}$ S 3 1929 Continue ascent of 210 ft. over SE. slope to top of spur.
50.00	Sandstone rim, 100 ft. high, bears NE. and SW.
53.20	Top of spur, projects S.; descend 15 ft.
58.90	Small draw, course S.; ascend 395 ft. over broken S. slope.
80.00	Record course and distance. Set an iron post, 3 ft. long, 2 ins. diam., over X cut

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T.23 S., R. 23 E.

Chains

in solid surface rock, 30 ins. in large mound of stone,
for the cor. of secs. 3, 4, 33 and 34, with brass cap mkd.

T23S R23E

S33 | S34

S 4 | S 3

T24S ..

1929

Land, rough and broken; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush.

Poor grazing.

SURVEY OF THE SOUTH BOUNDARY OF T.23 S., R. 23 E.

From the cor. of secs. 3, 4, 33 and 34, Tps. 23 and
24 S., R. 23 E.

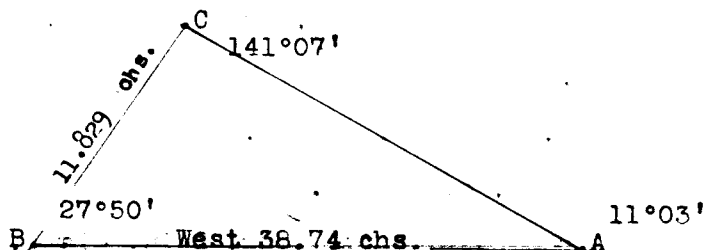
West on random line on S. bdy of T. 23 S., R. 23 E.,
setting temp. $\frac{1}{2}$ sec. and sec. corner at intervals of
40.00 and 80.00 chs. each.

The line to the west ascends over vertical sandstone
rim, over which chaining is impracticable. Therefore to
determine the distance I triangulate as follows: I
return to a point, 27.10 chs. East of the cor. of secs.
3, 4, 33 and 34, and erect flag A. Set flag B on line
to the west on top of the rim; also set flag C north-
westerly from A on top of sandstone rim. The mean
distance of the base line BC is 11.829 chs.

by 1st set of chainmen is 11.828 chs.

by 2nd set of chainmen is 11.830 chs.

The vertical angle from A to B is plus $24^{\circ}15'$.



The angles were determined by three repetitions with the
error balanced to 180° .

Angle at point A is $11^{\circ}03'$

Angle at point B is $27^{\circ}50'$

Angle at point C is $141^{\circ}07'$

SURVEY OF THE SOUTH BOUNDARY OF T. 23S., R. 23 E.

Chains

Distance by triangulation A to B is ----- 38.74 chs.
 Distance by return measurement----- 27.10 chs.
 Total distance on line to B is----- 11.64 chs.

11.64 Point B of triangulation.

237.68 Intersect N. and S. line, 49 lks. S. of the corner of Tps. 23 and 24 S., Rs. 22 and 23 E., hereinafter described. The true bearing of this west three miles of the south boundary is N.89°53'W.

Thence

From the corner of secs. 3, 4, 33 and 34, heretofore described.

N.89°53'W., on true line, bet. secs. 4 and 33.

Over rough and broken bench land, through scattering undergrowth.

Ascend precipitous S. slope, about 670 ft.

11.64 Top of sandstone rim, 400 ft. high, bears N.62°E., and S.80°W.

Enter medium growth of timber and undergrowth. Gradual ascent of 135 ft. over broken S. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and surrounded by a mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 33
 $\frac{1}{4}$ —————
 S 4
 1930

from which

A pinon, 6 ins. diam., bears S.17°00'W., 65 lks. dist., mkd. $\frac{1}{4}$ S 4 B T.

A pinon, 4 ins. diam., bears N.42°00'W., 59 lks. dist., mkd. $\frac{1}{4}$ S 33B T.

Continue ascent of 45 ft. over broken S. slope to the sec. cor.

43.40 Low ridge, bears NE. and SW.

50.00 Head of draw, course SW.

80.00 Set an iron post, 3 ft. long, 2 in. diam., 30 ins. in the ground, for the cor. of secs. 32 and 33, only, with brass cap mkd.

SURVEY OF THE SOUTH BOUNDARY OF T.23 S., R. 23 E.

Chains

at and 03 .. of .. T23S | R23E
S32 | S33

from which

1930

A juniper, 3 ins. diam., bears N.32°15'E., 43 lks.

dist., mkd. B T.

A pinon, 6 ins. diam., bears N.66°30'W., 197 lks.

dist., mkd. T 23 S R 23 E S 32 B T.

Land, broken bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush.

Poor grazing.

N.89°53'W., on true line on S. bdy of sec. 32.

Over broken bench land, through medium growth of timber and scattering undergrowth.

Top of ridge, bears N.10°E., and S.10°W. Descend 130 ft. over broken NW. slope to the $\frac{1}{4}$ sec. cor.

Bottom of draw, course NW.

Low spur, projects N.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 32 only, with brass cap mkd.

$\frac{1}{4}$ S 32

1930

from which

A juniper, 3 ins. diam., bears N.15°45'E., 49 lks.

dist., mkd. B T.

A pinon, 3 ins. diam., bears N.56°15'W., 20 lks.

dist., mkd. BT.

Bottom of draw, course NW.

Small spur, projects N. Descend 80 ft.

Bottom of draw, course SW. Ascend 45 ft.

Point of spur, projects S. Descend 65 ft.

Bottom of draw, course NW. ascend 20 ft.

Spur, projects N. Descend 10 ft.

SURVEY OF THE SOUTH BOUNDARY OF T. 23 S. R. 23 E.

Chains
80.00

Set an iron post, 3 ft. long, 2 in. diam., 30 ins. in the ground, for the cor. of secs. 31 and 32 only, with brass cap mkd.

T23S	R23E
S31	S32

1930

from which

A juniper, 4 ins. diam., bears N.18°30'E., 75 lks. dist., mkd. T 23 S R 23 E S 32 B T.

A juniper, 5 ins. diam., bears S.42°30'W., 249 lks. dist., mkd. T 23 S R 23 E S 31 B T.

Land, broken bench; general drainage and exposure NW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush.

Poor grazing.

N.89°53'W., on true line along s. bdy of sec. 31.

Over broken bench land, through medium growth of timber and undergrowth.

Descend 50 ft. over NW. slope.

21.80 Draw, course NW.

22.50 Low spur, projects NW. Descend 20 ft.

23.50 Bottom of draw, course SW. Ascend 30 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 25 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 31 only, with brass cap mkd.

$\frac{1}{4}$ S 31

1930

from which

A juniper, 6 ins. diam., bears N.80°00'E., 29 lks. dist., mkd. $\frac{1}{4}$ S 31 B T.

A pinon, 4 ins. diam., bears N.10°00'W., 4 lks. dist., mkd. $\frac{1}{4}$ S 31 B T.

Ascend 50 ft. over SE. slope.

46.90 Top of spur, projects NE. Descend 90 ft. over NW. slope.

Chains

77.68

The cor. of Tps. 23 and 24 S., Rs. 22 and 23 E., which is an iron post, 3 ins. diam., extending 6 ins. above ground, properly marked and witnessed as described in the official record of T. 24 S., R. 22 E., Group 189 - Utah. Land, broken bench; general drainage and exposure NW. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, blackbrush. Fair grazing.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

From the cor. of secs. 1, 2, 35 and 36, heretofore described.

N. 0° 01' W., on true line bet. secs. 35 and 36.

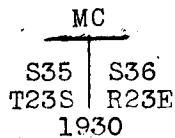
Over level bottom land, through scattering undergrowth.

Descend 15 ft. over N. slope.

10.74

The mean high water mark on the left bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the meander cor. for secs. 35 and 36, with brass cap mkd.



from which

A cottonwood 14 ins. diam., bears S. 32° 15' E., 451 lks. dist., mkd. T 23 S R 23 E S 36 MC BT.

A cottonwood 14 ins. diam., bears S. 28° 30' W., 234 lks. dist., mkd. T 23 S R 23 E S 35 MC BT.

The line to the north crosses the Colorado River, over which chaining is impracticable. To determine the distance I triangulate as follows:

Erect flag A at the meander corner, and erect flag B on line on the mean high water mark on the right bank of the Colorado River. Survey base line N. 89° 59' E., 4.40 chs. dist., the mean of two set of chainmen

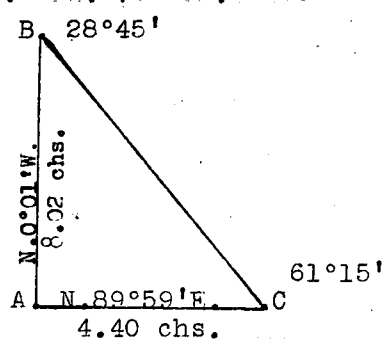
SURVEY OF THE SUBDIVISION OF T.23.S. R. 23.E.

Chains

by 1st set is 4.399 chs.
by 2nd set is 4.401 chs.

BR11801
88.77

The angle subtended a C is $61^{\circ}15'$; the angle subtended at B is $28^{\circ}45'$. The angles were determined by three repetitions and the bearings by deflection.



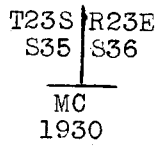
Total distance on line to A is-----10.74 chs.
Distance by triangulation A to B is -----8.02 chs.
Total distance on line to B. <18.76 chs.

18.76

Point B of the triangulation.

The mean high water mark on the **right** bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. of secs. 35 and 36, with brass cap mkd.

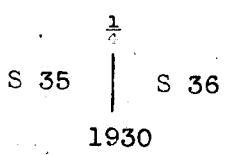


and raise

mound of stone 3 ft. base, 2 ft. high, N. of the cor. Ascend 265 ft. over abrupt S. slope.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, surrounded by a mound of stone to the top, with a sandstone 10 x 6 x 4 ins. mkd X, deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.



The line to the north ascends over a vertical sandstone rim over which chaining is impracticable. To determine the distance I triangulate as follows:

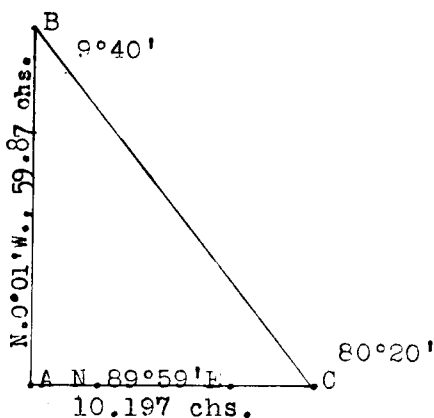
SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

I return to the corner of secs. 1, 2, 35 and 36, to obtain suitable base, and designate this cor. as A. Erect flag B on line to the north, and survey base line N.89°59'E., 10.197 chs. the mean of two set of chainmen by 1st set of chainmen 10.196 chs. by 2nd set of chainmen 10.198 chs.

and erect flag C.

The angle subtended at C is 80°20'; the angle subtended at B is 9°40'. The angles were determined by three repetitions with the error balanced to 180°. The bearings were determined by deflection. The vertical angle from A to B is plus 18°.



Distance by triangulation A to B is -----59.87 chs.

59.87 Point B of triangulation; 1035 ft. above $\frac{1}{4}$ sec. cor.

Top of sandstone ledge, 400 ft high, bears F. and W.

Thence across mesa top through medium growth of timber and undergrowth.

62.00 Top of spur, projects F. Descend 115 ft. over NE. slope.

73.97 Top of sandstone rim, 400 ft. high, bears NW. and SE.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface sandstone, and surrounded by mound of stone to the top, for the witness corner of secs. 25, 26, 35 and 36, with brass cap mkd.

WC	
T23S	R23E
S26	S25
S35	S36
1930	

from which

A pinon, 8 ins. diam., bears S.59°00'E., 167 lks.

dist., mkd. T 23 S R 23 E S 36 WC B T.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains

80.00

A pinon, 5 ins. diam., bears S. 71° 14' W., 123 lks. dist., mkd. T 23 S R 23 E S 35 WC B T.

True point for the cor. of secs. 25, 26, 35 and 36, falls on inaccessible sandstone rims, where it is impracticable to set corner.

Land, rough and broken; general drainage and exposure S. and NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon; with a few scattering cottonwood along the river.

Undergrowth, blackbrush and rabbit brush.

Poor grazing.

From the witness corner of secs. 25, 26, 35 and 36, In order to determine the distance bet. secs. 25 and 36, I run on offset as follows:

S. 89° 48' W., 9.31 chs.

N. 0° 01' W., 6.03 chs.

Thence

N. 89° 48' E., on random line bet. secs. 25 and 36.

The line to the east descends over vertical sandstone rim over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

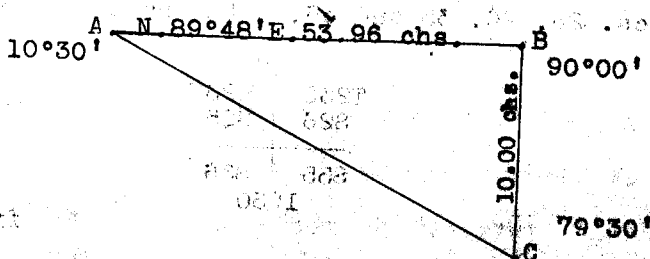
Erect flag A at this point and set flag B on line to the east; also erect flag C south-easterly from A.

The mean distance of the base line BC is 10.00 chs.

by 1st set of chainmen 9.999 chs.

by 2nd set of chainmen 10.001 chs.

The angles were determined by three repetitions with the error balanced to 180°. The vertical angle from A to B is -21° 15'.



Angle at point A is 10° 30'

Angle at point B is 90° 00'

Angle at point C is 79° 30'

SURVEY OF THE SUBLIVISION OF T. 23 S., R. 23 E.

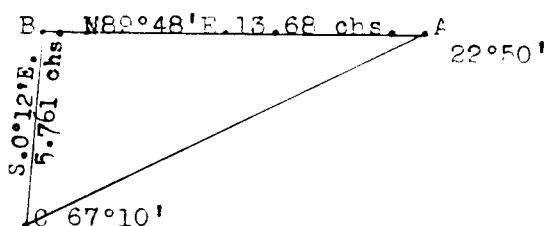
Chains

Distance by triangulation A to B-----53.96 chs.
 Distance A is west of true line----- 9.31 chs.
 Total distance on line to B is-----44.65 chs.
 Distance by return measurement ----- 4.65 chs.
40.00 chs.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

44.65 Point B of trianuzlation.

46.60 Set temp. meander cor. of the **right** bank of the Colorado. The line to the east crosses the Colorado River over which chaining is impracticable. To determine the distance I return to point B of triangulation and triangulate as follows:
 Erect flag A on the east side of the Colorado River on line, and survey base line S.0°12'E., 5.761 chs. distance and erect flag C. The angle subtended at C is 67°10'; the angles subtended at A is 22°50'. The angles were determined by three repetitions and the bearing by deflection.



Total distance on line to B is----- 44.65 chs.
 Distance by triangulation B to A is----- 13.68 chs.
 Total distance on line to A is-----58.33 chs.
 Distance by return measurement----- 1.02 chs.
57.31 chs.

57.31 Set temp. meander cor. on the **left** bank of the Colorado River.

79.70 Intersect the E. bdy., 7 lks. S. of the cor. of secs. 25 and 36, which is an iron post, 2 ins. diam., properly marked, set and witnessed as described in the official record.

Thence S.89°45'W., on true line bet. secs. 25 and 36. Over rough broken bench land, through scattering undergrowth.

Descend 285 ft. over W. slope to the Colorado River.

15.60 Road, bears NW. and SE., from Cisco to Castleton Utah.

21.00 Telephone line, bears NW. and SE., from Cisco to Castleton, Utah.

SURVEY OF SUBDIVISION OF T.23 S.R.23 E.

Chains

22.39

The left bank of the Colorado River, at mean high water mark.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. of secs. 25 and 36, with brass cap mkd.

T23S
S25
MC ———
S36
R23E
1930

and raise

mound of stone 3 ft. base, 2 ft. high, E. of the cor.

33.10

The mean high water mark on the right bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. of secs. 25 and 36, with brass cap mkd.

T23S
S25
——— MC
S36
R23E
1930

and raise

mound of stone 3 ft. base, 2 ft. high W. of the cor.

Ascend 25 ft. over E. slope.

39.85

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 25
———
S 36
1930

and raise

mound of stone 3 ft. base, 2 ft. high N. of the cor.

Ascend 1325 ft. over precipitous E. slope and vertical sandstone rims.

79.70

The true point for the cor. of secs. 25, 26, 35 and 36.

Land, rough and broken; general drainage and exposure E. and W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, a few scattering cottonwoods along river.

Undergrowth, blackbrush and willow.

Poor grazing.

Chains

From the witness corner of secs. 25, 26, 35 and 36.

Counting distance from the true corner point.

N.0°01'W., bet. secs. 25 and 26.

Over rough and broken mountainous land, through scattering undergrowth.

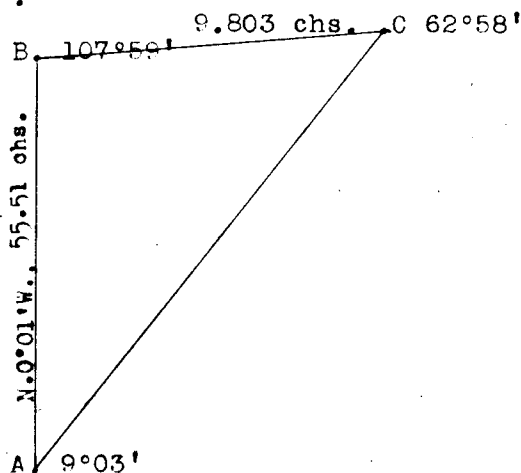
The line to the north descends over vertical sandstone ledge and precipitous N.slope over which chaining is impracticable. To determine the distance I triangulate as follows:

Erect flag A at the witness corner and set flag B on line to the north, and also set flag C northeasterly from A. The mean distance of the base line BC is 9.803 chs.

by 1st set of chainmen 9.803 chs.

by 2nd set of chainmen 9.803 chs.

The angles were determined by three repetitions with the error balanced to 180°. The vertical angle from A to B is- 19°.



Angle at point A is 9°03'

Angle at point B is 107°59'

Angle at point C is 62°58'

Total distance by triangulation A to B -----55.51 chs.

6.03 chs.

Total distance on line to B-----49.48 chs.

Distance by return measurement-----9.48 chs.

40.00 chs.

10.00 Approximate distance. Bottom of draw, course NE.

40.00 Top of spur, projects E.

Set an iron post, 3 ft. long, 1 in. diam. 3 ins. in the ground to solid rock, with sandstone 6 x 5 x 4 ins.

mkd. X, deposited at the base, and surrounded by a mound of stone to the top, for the 1/4 sec. cor. with

SURVEY OF THE SUBDIVISION OF T.23 S., R.23E.

Chains brass cap mkd.

anted

S 26

S 25

1930

Descend 130 ft. over NE. slope.

45.80 Bottom of rocky draw, course NE. Ascend 80 ft.
1260 ft. below rim,

49.48 Point B of triangulation, Top of spur, projects NE.

Descend 255 ft. over NE. slope.

54.60 Foot of red sandstone slope, bears NW. and SE.

76.00 Small draw, course E.

80.00 Top of small spur, projects E.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins.
in the ground, for the corner of secs. 23, 24, 25
and 26, with brass cap mkd.

T23S R23E

S23 S24

S26 S25

1930

and raise

mound of stone 3 ft. base, 2 ft. high, W. of the cor.

Land, rough and broken; general drainage and exposure E.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, blackbrush.

Poor grazing.

N.89°45'E., on random line bet. secs. 24 and 25.

1.98 Set temp. meander corner on the right bank of the
Colorado River.

The line to the east crosses the Colorado River and
ascends a vertical sandstone rim, over which chaining
is impracticable. Therefore to determine the distance
I return to the sec. cor. and triangulate as follows:

Erect flag A at the sec. cor. and erect flag B and C
to the east on line, from A survey base line S.0°31'E.,
30.53 chs. the mean of two set of chainmen.

by 1st set 30.524 chs.
by 2nd set 30.516 chs.

and erect flag E. Also from A

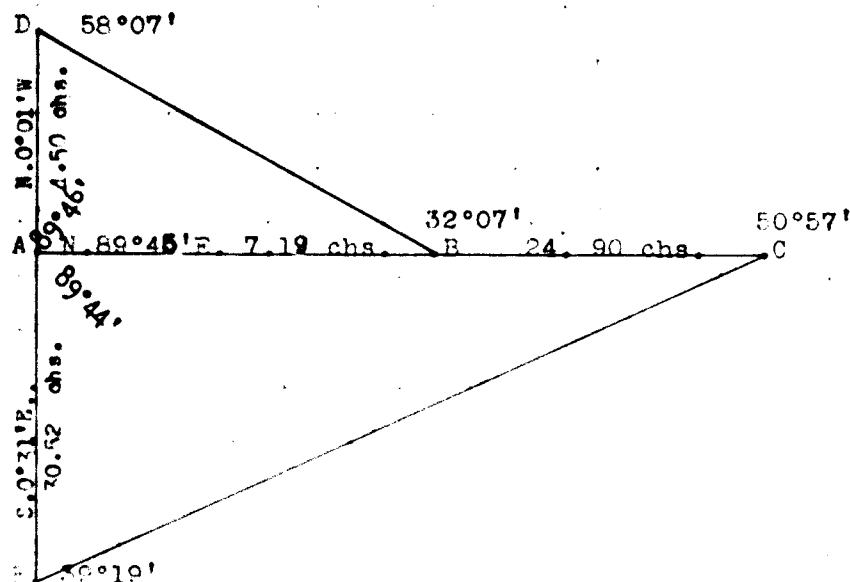
SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains

survey base line N.0°01'W., 4.50 chs. the mean of two-
set of chainmen
by 1st set 4.50 chs.
by 2nd set 4.50 chs.

and erect flag D.

The angle subtended at D is 58°07'; at E is 39°19'; at
B is 32°07'; at C is 50°57'. The angles were determined
by three repetitions with the error balanced to 180°.
The bearings were determined by deflection. The vertical
angle from A to C is plus 32°.



Distance on line by triangulation to B--- 7.19 chs.

Distance on line by triangulation to C-----24.90 chs.

7.19 Point E of triangulation on

The left bank of the Colorado River at mean high water
mark, set temp. meander corner.

24.90 Point C of triangulation.

40.00 Set temp. sec. cor.

79.64 Intersect the r. bdy., 49 lks. N. of the corner of
secs. 24 and 25, which is an iron post, 2 ins. diam.,
properly mkd., set and witnessed as described in the
official record.

Thence

N.89°54'W., on true line bet. secs. 24 and 25.

Over broken bench land through medium growth of timber
and undergrowth.

Descend 30 ft. over NW. slope.

13.00 Bottom of draw, course NE. Ascend 10 ft.

SURVEY OF THE SUBDIVISION OF T.23 S.

Chains	
22.40	Top of spur, projects NE! Descend 35 ft. to base
25.30	Bottom of draw, course NE. Ascend 125 ft. over NE. slope
39.82	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S\ 24 \\ \frac{1}{4} \hline S\ 25 \\ 1930 \end{array}$
	from which
	A pinon, 10 ins. diam., bears S. $7^{\circ}30'W.$, 140 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
	A pinon, 14 ins. diam., bears N. $10^{\circ}30'W.$, 63 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.
40.10	Top of ridge, bears N. and S. Descend 40 ft.
54.74	Top of sandstone rim, 400 ft. high, bears N. and S. Descend over vertical rim and precipitous W. slope. Leave timber bears N. and S.
69.00	Telephone line, bears N. and S. from Cisco Utah to Castleton Utah.
71.00	Road, bears NW. and SE., from Cisco Utah to Castleton Utah.
72.45	The mean high water mark on the left bank of the Colorado River, 1025 ft. below rim.
	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with sandstone 8 x 6 x 5 ins. mkd. X, deposited at the base, and surrounded by a large mound of stone to the top, for the meander cor. of secs. 24 and 25, with brass cap mkd.
	$\begin{array}{r} T23S \\ MC \hline 324 \\ 325 \\ R23E \\ 1930 \end{array}$
	Thence across the Colorado River.
77.66	The mean high water mark on the right bank of the Colorado River.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the meander corner of secs. 24 and 25, with brass cap mkd.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

T23S
S24
S25
R23E
1930

MC

from which

A boxelder 10 ins. diam., bears S.3°00'W., 77 lks.
dist., mkd. T 23 S R 23 E S 25 MC B T.

A boxelder, 8 ins. diam., bears N.46°30'W., 133
lks. dist., mkd. T 23 S R 23 E S 24 MC BT.

Ascend gentle E. slope.

79.64 The cor. of secs. 23, 24, 25 and 26.

Land, broken bench; general drainage and exposure E.
and W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon, with a few scattering
boxelder along the river.

Undergrowth, blackbrush and willow brush.

Poor grazing.

N.0°01'W., bet. secs. 23 and 24.

Over broken east slope, descend 25 ft., through
scattering undergrowth.

17.71 The mean high water mark on the right bank of the
Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
the ground to solid rock, with sandstone 10 x 8 x 6 ins.
mkd. X, deposited at the base, and surrounded by a
mound of stone to the top, for the meander corner of
secs. 23 and 24, with brass cap mkd.

MC

S23 S24
T23S R23E
1930

The line to the north crosses the Colorado River,
and ascends a vertical sandstone rim over which
chaining is impracticable. To determine the distance
I triangulate as follows.

Erect flag A at this point; set flag B on left bank

SURVEY OF THE SUBDIVISION OF T.23 S., R.23 E.

Chains

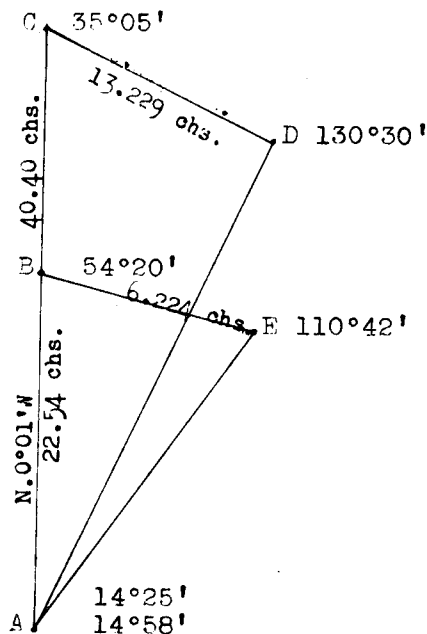
of the Colorado River on line and set flag C on line on top of sandstone rim. Erect flag E northeasterly from A on the right bank of the river, also flag D northeasterly from D on top of the rim. The mean distance of the base line BE is 6.224 chs.

by 1st set of chainmen 6.223 chs.
by 2nd set of chainmen 6.225 chs.

The mean distance of the base line DC is 13.229 chs.

by 1st set of chainmen is 13.230 chs.
by 2nd set of chainmen is 13.228 chs.

The angles were determined by three repetitions with the error balanced to 180°. The vertical angle from A to C is plus 15°45'.



Angles at point A are 14°25' and 14°58' respectively.
Angle at point B is 54°20'
Angle at point C is 35°05'
Angle at point D is 130°30'
Angle at point E is 110°42'

Distance on line to point A is -----	17.71 chs.
Distance by triangulation A to B-----	22.54 chs.
Total distance on line to B-----	40.25 chs.
Distance by return measurement-----	1.93 chs.
	38.32 chs.
Distance on line to A -----	17.71 chs.
Distance by triangulation A to C is -----	40.40 chs.
Total distance on line to C-----	58.11 chs.

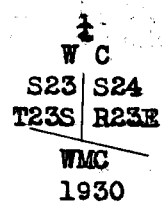
38.32 The mean high water mark on the left bank of the Colorado River, falls on cut bank subject to erosion, where it is impracticable to set cor.

39.43 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

the ground for the witness meander and $\frac{1}{4}$ section corner of sections 23 and 24, with brass cap mkd.



and raise mound

of stone, 3 ft. base, 3 ft. high, N. of the corner.

40.00 Center of road, bears NW. and SE., from Cisco, Utah, to Castleton, Utah.

The true point for the $\frac{1}{4}$ section corner falls on solid rock in center of road, where it is impracticable to set corner.

40.25 Point B. of triangulation.

41.70 Telephone line, bears NW. and SE. from Cisco to Castleton, Utah. Ascend precipitous S. slope and vertical sandstone rim.

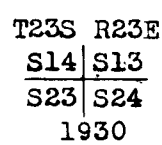
58.11 Point C of triangulation, 750 ft. above true point for $\frac{1}{4}$ sec. cor.
Top of sandstone rim, 300 ft. high, bears NW. and SE.
Ascend 20 ft. over S. slope.

61.60 Top of ridge, bears E. and W. Descend 50 ft.

68.00 Bottom of draw, course NW. Ascend 40 ft.

80.00 Top of ridge, bears NW. and SE.

Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, surrounded by mound of stone to the top, for the corner of sections 13, 14, 23 and 24, with brass cap mkd.



from which

A juniper, 5 ins. diam., bears N. 19°00'E., 170 lks.
dist., mkd. T 23 S R 23 E S 13 B T

A juniper, 6 ins. diam., bears S. 17°15'E., 20 lks.
dist., mkd. T 23 S R 23 E S 24 B T

A juniper, 5 ins. diam., bears S. 17°00'W., 246 lks.
dist., mkd T 23 S R 23 E S 23 B T

A juniper, 8 ins. diam., bears N. 36°00'W., 86 lks.
dist., mkd T 23 S R 23 E S 14 B T

SURVEY OF THE SUBDIVISION OF T. 33 S., R. 23 E.

Chains

anind

Land, rough and broken; general drainage SE, and exposure NE. and SW.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, blackbrush and willow.
Poor grazing.

S. 89° 54' E., on random line bet. secs. 13 and 24.

- 1.35 The line to the east descends over vertical sandstone rim and crosses the Colorado River, over which chaining is impracticable.

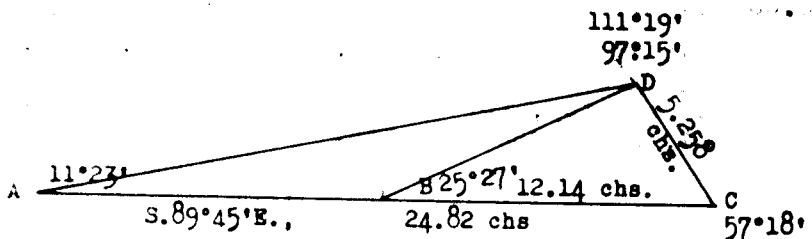
To determine the distance I triangulate as follows:

Erect flag A at this point and set flag B below the rim on the left bank of the river and set flag C on the right bank of the river. Also set flag D north-easterly on the right bank of the river. The mean distance of the base line CD is 5.258 chs.

By 1st set of chainmen 5.259 chs.

By 2nd set of chainmen 5.257 chs.

The angles were determined by three repetitions with the error balanced to 180°. The vertical angle from A to C is - 23°.



Angle at point A is 11° 23'
Angle at point B is 25° 27'
Angle at point C is 57° 18'
Angles at point D are 97° 15' and 111° 19'.

Distance on line to A is - - - - -	1.35 chs.
Distance by triangulation A to C - - - - -	24.82 "
Total distance on line to C - - - - -	26.17 "
Distance by triangulation B to C - - - - -	12.14 "
Distance on line to B - - - - -	14.03 "

- 14.03 Point B of triangulation.

- 15.39 The mean high water mark on the left bank of the Colorado River. Set temporary meander corner.

- 22.58 The mean high water mark on the right bank of the Colorado River. Set temporary meander corner.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

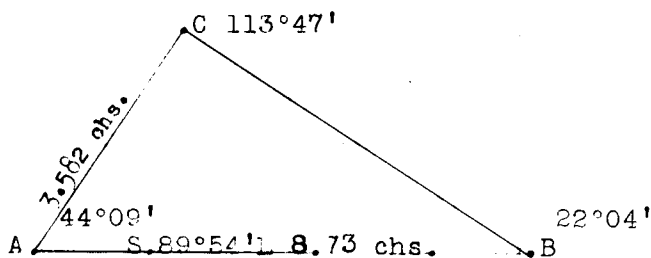
Chains
26.17 Point C of triangulation.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
55.80 The mean high water mark on the right bank of the Colorado River. Set temp. meander cor.
55.72 The line to the east crosses the Colorado River over which chaining is impracticable.

Therefore to determine the distance I triangulate as follows:

Erect flag A at this point and set flag B on line to the east. Also set flag C northeasterly from A the mean distance of 3.582 chs.

by 1st set of chainmen 3.582 chs.
by 2nd set of chainmen 3.582 chs.

The angles were determined by three repetitions and the error balanced to 180°.



Angle at point A is 44°09'
Angle at point B is 22°04'
Angle at point C is 113°47'

Distance on line to point A-----	55.72 chs.
Distance by triangulation A to B-----	8.73 chs.
Total distance on line to B-----	64.45 chs.
Distance by return measurement-----	.24 chs.
	<u>64.21 chs.</u>

64.21 The mean high water mark on the left bank
of the Colorado River. Set temp. meander cor.
64.45 Point B of triangulation.
66.77 The line to the east ascends over vertical sandstone ledges over which chaining is impracticable. Therefore to determine the distance I run on traverse as follows:
N.59°00'E., 2.90 chs.
N.75°45'E., 5.10 chs.
S.69°35'E., 5.67 chs. to
79.52 Intersect the witness corner of secs. 13 and 24, which is an iron post, 2 ins. diam., properly mkd. and set and witnessed as described in the official record.

SURVEY OF THE SUBDIVISION OF

Chains

This corner is witnessed $N0^{\circ}03'W.$, 0.79 chs. to true corner point.

The true bearing of this line therefore is $N.89^{\circ}54'W.$, 79.52 chs. distance.

Thence

$N.89^{\circ}54'W.$, on true line bet. secs. 13 and 24.

Over rough and broken land, through scattering undergrowth.

The true point for the cor. of secs. 13 and 24, is inaccessible, and the line west from the true point is inaccessible therefore I commence at the witness cor. 0.79 chs. N. of the true corner point. of secs. 13 and 24 and run on traverse line as follows:

$N.69^{\circ}35'W.$, 5.67 chs.

$S.75^{\circ}45'W.$, 5.10 chs.

$S.50^{\circ}00'W.$, 2.90 chs.

$S.89^{\circ}54'E.$, 1.43 chs. to

11.32 Point on true line bet. secs. 13 and 24.

Telephone line bears NE. and SW.; from Cisco to Castleton Utah.

$N.89^{\circ}54'W.$, on true line bet. secs. 13 and 24.

13.00 Road, bears NE. and SW.; from Cisco Utah to Castleton Utah.

15.31 The mean high water mark on the left bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander corner bet. secs. 13 and 24 with brass cap mkd.

T23S
S13
MC /
S24
R23E
1930

and raise

mound of stone 3 ft. base, 2 ft. high, E. of the cor.

Thence across the Colorado River.

23.92 The mean high water mark on the right bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. bet. secs. 13 and 24.

150

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains

with brass cap mkd.

T23S
S13

S24
R23E
1930

and raise

mound of stone 3 ft. base 2 ft. high W. of the cor.

Ascend 100 ft. over SE. slope.

38.20 Line passes along foot of vertical ledge, 300 ft. high bearing NE. and NW. Descend 10 ft.

39.76 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with sandstone 8 x 6 x 4 ins. mkd. X, deposited at the base, and surrounded by a large mound of stone to the top, for the 1st sec. cor., with brass cap mkd.

S 13
1/2 -----
S 24
1930

Descend 150 ft. over SW. slope.

56.94 The mean high water mark on the right bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. bet. secs. 13 and 24, with brass cap mkd.

T23S
S13

S24
R23E
1930

and raise

mound of stone 3 ft. base, 2 ft. high, E. of the cor.

Thence across the Colorado River.

64.13 The mean high water mark on the left bank of the Colorado River.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. bet. secs. 13 and 24, with brass cap mkd.

T23S
S13

S24
R23E
1930

MC

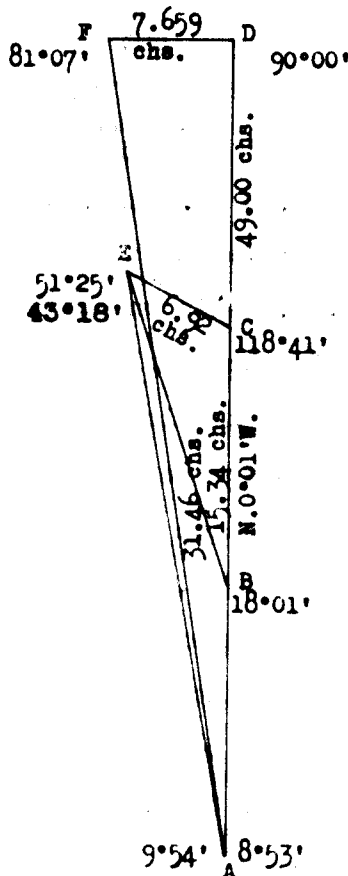
SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	
	and raise mound of stone 3 ft. base, 2 ft. high W. of the cor.
64.90	Road, bears NW. and SE., from Cisco Utah to Castleton Utah.
65.30	Telephone line, bears SE. and NW., from Cisco, Utah, to Castleton, Utah.
	Ascend precipitous sandstone ledges and slopes.
78.17	Top of sandstone rim, 300 ft. high, bears NW. and SE. Thence over top of bench land, 625 ft. above river.
79.52	The corner. of secs. 13, 14, 23 and 24. Land, broken bench land; general drainage and exposure E. and W. Soil, sandy loam and surface sandstone; 3rd rate. Timber, very scattering juniper. Undergrowth; black brush, with willow and squaw berry along the river. Fair grazing.
	<hr/>
	N.0°01'W., bet. secs. 13 and 14. Over broken bench land, through scattering timber and undergrowth. Descend 170 ft. over NE. slope.
11.28	Top of sandstone rim, 300 ft. high, bears NW. and SE. The line to the north crosses the Colorado River, and ascends over vertical rim of sandstone over which chaining is impracticable. To determine the distance I triangulate as follows. Erect flag A at this point, and set flags on line as follows: B on the left bank of the Colorado River, C on the right bank of the Colorado River and D on top of rim of Yellow Jacket Canyon. Also set flag E northwesterly from A on the right bank of the Colorado River, and flag F northwesterly from A on the rim of Yellow Jacket Canyon. All angles were determined by three repetitions with the error balanced to 180°. The mean of the base line CE is 6.92 chs.

By 1st set of chainmen is 6.92 chs.
By 2nd set of chainmen is 6.92 chs.

The mean distance of the base line DF is 7.659 chs.

By 1st set of chainmen is 7.658 chs.
By 2nd set of chainmen is 7.660 chs.



Angles at point A are 8°53' and 9°54'
Angle at point B is 18°01'
Angle at point C is 118°41'
Angle at point D is 90°00'
Angles at point E are 43°18' and 51°25'
Angle at point F is 81°07'

The vertical angle on line from A to D is plus 3°.

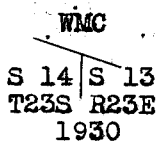
Distance on line to point A - - - - -	11.28 chs.
Distance by triangulation A to C is - - -	31.46 chs.
Total distance on line to C is - - - - -	42.74 "
Distance by triangulation C to B is - - -	15.34 "
Total distance on line to B is - - - - -	27.40 "
Distance by return measurement - - - - -	.80 "
	26.60 "

Distance on line to point A is - - - - -	11.28 chs.
Distance by triangulation A to D - - - - -	49.00 "
	60.28 "

26.40. Telephone line bears SE. and NW.; from Cisco, Utah, to Castleton, Utah.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

- Chains**
- 27.40 Point B. of triangulation.
 - 27.70 Road, bears SE. and NW., from Cisco to Castleton, Utah.
 - 28.49 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the witness meander corner of secs. 13 and 14, with brass cap mkd.



- and raise mound of stone, 3 ft. base, 2 ft. high, S. of the cor.
- 29.09 The mean high water mark on the left bank of the Colorado River, falls on cut bank subject to erosion, where it is impracticable to set corner.
- 42.74 Point C of triangulation.
 The mean high water mark on the right bank of the Colorado River, which also falls in the mouth of Yellow Jacket Canyon, draining from the NE. The true point for the meander corner is subject to erosion by floods from Yellow Jacket Canyon. Therefore it was impracticable to set corner at this point.
- 45.02 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the witness meander corner of secs. 13 and 14, with brass cap mkd.



- and raise mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
- Thence along bottom of Yellow Jacket Canyon, through dense undergrowth.
- 59.50 Foot of vertical sandstone rim, bears NE. and SW.
- 60.28 Point D of triangulation. Top of sandstone rim, bears NE. and SW. Ascend 80 ft.
- 64.60 Top of spur, projects E. about 1 chain. Descend 215 ft. over NE. slope.
- 79.95 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

the ground to solid rock, and surrounded by mound of stone to the top, for the witness corner of secs. 11, 12, 13 and 14; with brass cap mkd.

WC
T23S R23E
S11 S12
S14 S13
1930

from which

A cottonwood, 6 ins. diam., bears N.35°00'E., 142 lks. dist., mkd. WC T 23 S R 23 E S 12 B T.

A juniper, 6 ins. diam., bears S.62°00'W., 148 lks. dist., mkd. WC T 23 S R 23 E S 14 B T.

80.00 True point for the cor. of secs. 11, 12, 13 and 14, falls on sloping boulder where corner can not be set.

Land, broken bench; general drainage and exposure into river.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and a few cottonwood along canyon bottom.

Undergrowth: black brush, with willow and squaw berry along the river.

Poor grazing.

From the true corner point for the cor. of secs. 11, 12, 13 and 14.

S.89°54'E., on random line bet. secs. 12 and 13.

40.00 Set temp. sec. cor.

79.52 Intersect the E. bdy., 16 lks. S of the cor. of secs. 12 and 13, which is an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.

Thence

S.89°59'W., on true line bet. secs. 12 and 13.

Over broken bench land, through scattering timber and undergrowth.

Ascend 205 ft. over E. slope.

6.20 Top of sandstone rim, 100 ft. high, bears NE. and SW. Thence across top of bench.

11.80 Top of sandstone rim, 100 ft. high bears N. and S.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	Descend 115 ft. over W. slope.			
16.50	Bottom of canyon, course S. A stream of good water, 1 lk. wide. Ascend 100 ft. over E. slope, to $\frac{1}{4}$ sec. cor.			
22.80	Sandstone rim, bears N. and S.			
39.76	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface sandstone, surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.			
	<div style="text-align: center;">$\frac{1}{4}$ <table style="display: inline-table; vertical-align: middle;"><tr><td>S 12</td></tr><tr><td>S 13</td></tr><tr><td>1930</td></tr></table></div>	S 12	S 13	1930
S 12				
S 13				
1930				
	from which			
	A juniper, 6 ins.diam., bears N.59°00'E., 96 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.			
	A juniper, 12 ins. diam., bears S.29°30'E., 53 lks. dist., mkd. S 13 B T.			
	Continue ascent of 50 ft. over E. slope.			
47.40	Top of ridge, bears N. and S. Descend 150 ft. to bottom of canyon.			
65.20	Rim of canyon, bears NW. and SE.			
70.00	Bottom of Yellow Jacket Canyon, course SE. Ascend 15 ft.			
74.50	Top of small spur, projects N.			
79.52	The true point for the cor. of secs. 11, 12, 13 and 14. Land, broken bench: general drainage and exposure S. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and piron. Undergrowth, blackbrush. Fair grazing.			
	<hr/>			
	N.0°01'W., bet. secs. 11 and 12.			
	Counting distance from the true point for cor of secs. 11, 12, 13 and 14.			
	Over broken bench land, through scattering timber and undergrowth.			
0.30	Bottom of draw, course NE.			
1.00	Top of small spur, projects NE.			
1.50	Bottom of Yellow Jacket Canyon, course E. Spring in			

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

bottom of canyon, about 12.00 chs. ^{the canyon.} up $\frac{1}{2}$ %. Ascend 145 ft over S. slope, to top of ridge.

6.50

Sandstone rim, 20 ft. high, bears SE. and NW.

26.30

Trail, bears E. and W.

30.16

Set flag for triangulation. Top of ridge, bears E. and W. Descend 75 ft. over N. slope.

37.00

Bottom of draw, course E. ascend 15 ft.

40.00

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 11 | S 12
1930

from which

A juniper, 3 ins. diam., bears N.87°30'E., 38 lks. dist., mkd. B T.

A juniper, 6 ins. diam., bears S.2°00'W., 378 lks. dist., mkd. $\frac{1}{4}$ S 11 B T.

The line to the north ascends over vertical sandstone rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows.

Return to the 30.16 chs. point and designate as A.

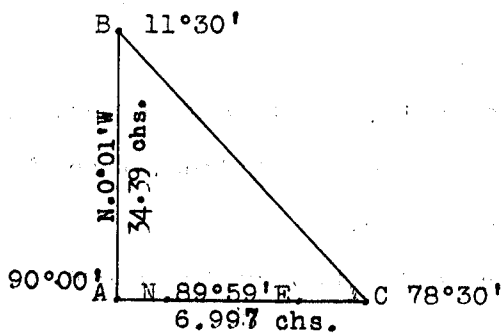
Erect flag B on line to the north, and survey base line N.89°59'E., 6.997 chs. the mean of two set of chainmen

by 1st set of chainmen 6.997 chs.

by 2nd set of chainmen 6.997 chs.

and erect flag C.

The angle subtended at C is 78°30' and the angle subtended at B is 11°30'. All angles determined by three repetitions and the error balanced to 180°. The bearings were checked by deflection. The vertical angle on line from A to B is 8°45'.



SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains	Distance on line to A-----	30.16 chs.
	Distance by triangulation A to B-----	34.39 "
	Total distance on line to B-----	64.55 "

64.55 Point B of triangulation. Top of sandstone rim, 200 ft. and 410 ft. above $\frac{1}{2}$ sec. cor., high, bears NE. and SW. Ascend 35 ft. over S. slope.

73.50 Top of ridge, bears NE. and SW. Descend 70 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to solid rock, and surrounded by md. of stone to the top, for the cor. of secs. 1, 2, 11 and 12. with brass cap mkd.

T23S	R23E
S 2	S 1
<hr/>	
S11	S12
1930	

from which

A juniper, 3 ins. diam., bears N.13°00'E., 101 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears S.27°00'E., 185 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears S.77°00'W., 75 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears N.45°00'W., 31 lks. dist., mkd. B T.

Land, broken bench; general drainage and exposure S. and E.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush.

Fair grazing.

N.89°59'E., on random line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.66 Intersect the E. bdy., 19 lks. N. of the corner of 2 ins. diam., secs. 1 and 12, which is an iron post, firmly set, mkd. and witnessed as described in the official record.

Thence

N.89°53'W., on true line bet. secs. 1 and 12.

Over broken bench land, through scattering undergrowth, and timber.

Ascend 15 ft. over SE. slope.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	
7.30	Top of spur, projects SE. Descend 5 ft.
17.00	Head of draw, course SE. Ascend 50 ft.
31.60	Spur, projects NE.
39.83	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S. 1 \\ \frac{1}{4} \quad \frac{1}{4} \quad \frac{1}{4} \\ S. 12 \\ 1930 \end{array}$
	from which
	A juniper, 5 ins. diam., bears S.32°45'E., 108 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.
	A juniper, 6 ins. diam., bears N.18°45'W., 420 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.
	Ascend 115 ft. over E. slope.
75.60	Top of ridge, bears NE. and S". Descend 60 ft.
79.66	The cor. of secs. 1, 2, 11 and 12.
	Land, broken bench; general drainage and exposure S. and NE.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, blackbrush.
	Poor grazing.
	<hr/>
	N.0°01'W., on true line bet. secs. 1 and 2.
	Over broken bench land, through scattering timber and undergrowth.
	Descend 20 ft. over N. slope.
10.00	Draw, course NW. Ascend 5 ft. over S slope.
11.20	Spur, projects NW.
13.10	Draw, course NE.
15.40	Top of spur, projects NE. Descend 60 ft.
28.50	Bottom of draw, course NE.
40.00	Top of spur, projects NE.
	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, surrounded by a large mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

S 2 | S 1

1930

from which

A juniper 5 ins. diam., bears N.29°00'E., 15 lks.
dist., mkd. $\frac{1}{4}$ S 1 B T.

A juniper 6 ins. diam., bears S.31°00'W., 73 lks.
dist., mkd. $\frac{1}{4}$ S 2 B T.

Descend 25 ft. over N. slope.

46.50 Bottom of draw, course NW. Ascend 5 ft.

50.00 Sour, projects NW. Descend 190 ft. over broken NE.
slope to the closing cor.

63.00 Draw, course NE.

66.00 Top of low ridge, bears NE. and SW.

83.07 Intersect the N. boundary, 2.18 chs. East of the corner
of secs. 1, 2, 35 and 36, which is an iron post, 3 ins.
diam., firmly set, mkd. and witnessed as described in
the official record. I deface all marking on this cor.
referring to T. 23 S., R. 23 E.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in
the ground to solid rock, surrounded by a large mound
of stone to the top, for the closing corner of secs.
1 and 2, with brass cap mkd.

T22S R23E

S36

S 2	S 1
T23S	R23E
C C	
1930	

from which

A pinon, 4 ins. diam., bears S.41°45'E., 71 lks.
dist., mkd. T 23 S R 23 E S 1 C C BT.

A juniper, 4 ins. diam., bears S.27°30'W., 305 lks.
dist., mkd. B T.

Land, broken bench; general drainage and exposure N.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush. Poor grazing.

SUBDIVISION OF T.23 S., R. 23 E.

Chains From the cor. of secs. 2, 3, 34 and 35, on the S. bdy., heretofore described.

N.0°01'W., on true line bet. secs. 34 and 35.

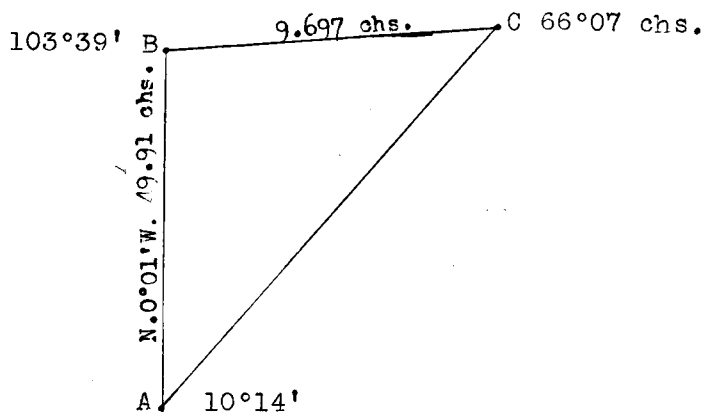
Over broken bench land through scattering undergrowth.

The line to the north ascends over the vertical sandstone rim and precipitous slope over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at the sec. cor. and set flag B on line to the north on top of rim. Also set flag C northeasterly from A on top of rim. The mean distance of the base line BC is 9.697 chs.

by 1st set of chainmen is 9.698 chs.
by 2nd set of chainmen is 9.696 chs.

The angles were determined by three repetitions with the error balanced to 180°. The vertical angle from A to B is plus 18°.



The angle at point A is 10°14'.
The angle at point B is 103°39'.
The angle at point C is 66°07'.

Distance on line by triangulation to B is----49.91 chs.

40.00 True point for the $\frac{1}{4}$ sec. cor., falls on inaccessible sandstone rims where it is impracticable to set cor.

49.91 Point B of triangulation. Top of sandstone rim, 400 ft. high, bears NE. and SW, and 1070 ft. above sec. cor.

50.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

A juniper 10 ins. diam., bears N.41°45'E., 125 lks.

dist., mkd. WC $\frac{1}{4}$ S 35 BT

A pinon, 8 ins. diam., bears N.61°00'W., 74 lks.

dist., mkd. WC $\frac{1}{4}$ S 34 B T.

This cor. stands on top of ascent bearing NE. and SW.

Gradual descent of 165 ft. over N. slope through medium growth of timber.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, and surrounded by large mound of stone to the top, for the corner of secs. 26, 27, 34 and 35, with brass cap mkd.

T23S	R23E
S27	S26
S34	S35
1930	

from which

A pinon, 8 ins. diam., bears N.30°00'E., 92 lks.

dist., mkd. T 23 S R 23 E S 26 B T.

A pinon, 5 ins. diam., bears S.62°30'E., 103 lks.

dist., mkd. T 23 S R 23 E S 35 B T.

A pinon, 4 ins. diam., bears S.67°00'E., 56 lks.

dist., mkd. T 23 S R 23 E S 34 B T.

A pinon, 7 ins. diam., bears N.48°00'W., 177 lks.

dist., mkd. T 23 S R 23 E S 27 B T.

Land, broken bench; general drainage and exposure S on the S half and N. on the north half.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush.

Fair grazing.

East, on random line bet. secs. 26 and 35.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

70.56

The line to the east, descends over vertical sandstone rim, and the corner of secs. 25, 26, 35 and 36, is inaccessible. Therefore to determine the distance

I run on offset as follows:

S.0°01'E., 6.03 chs.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	East, 9.34 chs. to
79.90	Intersect N. and S. line, 30 lks. S. of the witness corner of secs. 25, 26, 35 and 36. which is S.0°01'E., 6.03 chs. from the true corner point. Therefore the true bearing of this ^{line} is S.89°47'W., 79.90 chs.
	Thence
	S.89°47'W., on true line bet. secs. 26 and 35.
	Over broken bench land, through medium growth of timber and undergrowth.
	From the witness cor. of secs. 25, 26, 35 and 36.
	S.89°47'W., on offset line. 9.34 chs.
	N.0°01'W., 6.03 chs. to true line.
	Thence
9.34	S.89°47'W., on true line bet. secs. 26 and 35.
11.50	Bottom of draw, course N. ascend 35 ft.
23.50	Top of spur, projects N. Descend 10 ft.
34.40	Bottom of draw, course NE. Ascend 5 ft.
37.40	Top of spur, projects N. Descend 5 ft.
39.95	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mtd.
	<div style="text-align: center;">$\frac{1}{4}$ S 26 S 35 1930</div>
	From which
	A pinon, 4 ins. diam., bears N.19°00'E., 56 lks. dist., mkd. $\frac{1}{4}$ S 26 PT.
	A pinon, 5 ins. diam., bears S.64°00'E., 6 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.
	Descend 15 ft. over broken NE. slope.
50.90	Bottom of draw, course NE. Ascend 50 ft.
58.90	Top of ridge, bears N. and S. Descend 60 ft. to the sec. cor.
70.60	Bottom of draw, course N.
74.20	Top of spur, projects NW.
78.00	Bottom of small draw, course NE.
79.90	The cor. of secs. 26, 27, 34 and 35.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains

Land, broken bench; general drainage and exposure N.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush and buck brush.

Fair grazing.

N. 0° 01' W., bet. secs. 26 and 27.

Over broken bench land, through medium growth of timber and scattering undergrowth.

Descend 140 ft. over broken N. slope to draw, at 32.00 chs.

7.70 Small draw, course NW.

29.60 Bottom of draw, course NE.

32.00 Bottom of draw, course E. Ascend 65 ft. over gradual S. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$
 S 27 | S 26
 1930

from which

A juniper, 4 ins. diam., bears S. 82° 00' E., 46 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.

A pinon, 7 ins. diam., bears S. 40° 45' W., 41 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.

Continue ascent of 5 ft. over S. slope.

50.50 Top of spur, projects NE. Descend 205 ft.

76.10 Bottom of draw, course NE. Ascend 15 ft.

79.70 Top of spur, projects E. about 2 chs.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the cor. of secs. 22, 23, 26 and 27, with brass cap mkd.

T23S R23E
 S27 | S26
 1930

from which

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

A pinon, 7 ins. diam., bears N.23°30'E., 27 lks.
dist., mkd. T 23 S R 23 E S 23 B T.

A juniper, 8 ins. diam., bears S.22°00'E., 28 lks.
dist., mkd. T 23 S R 23 E S 26 B T.

A pinon, 10 ins. diam., bears S.20°45'W., 58 lks.
dist., mkd. T 23 S R 23 E S 27 B T.

A pinon, 8 ins. diam., bears N.64°15'W., 84 lks.
dist., mkd. T 23 S R 23 E S 22 B T.

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3 rd rate.
Timber, juniper and pinon.
Undergrowth, blackbrush and buck brush.
Fair grazing.

N.89°47'E., on random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

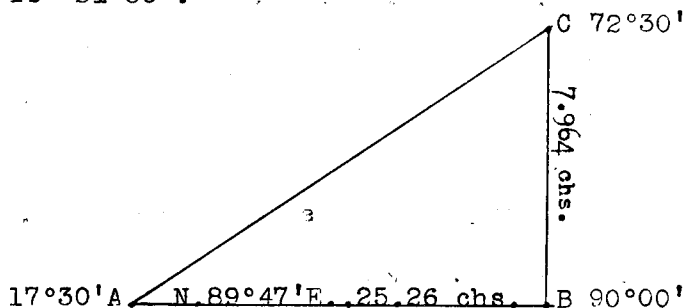
54.64 Top of sandstone rim. 300 ft high, over which chaining
is impracticable. To determine the distance I triangulate
as follows:

Erect flag A at this point. Designate the cor. of secs.
23, 24, 25 and 26. B., which bears N.89°47'E from A.

Erect flag C northeasterly from A. The mean distance of
the base line BC is 7.964 chs.

by 1st set of chainmen is 7.965 chs.
by 2nd set of chainmen is 7.963 chs.

The angles were determined by three repetitions with
the error balanced to 180°. The vertical angle from
A to B is -31°30'.



Angle at point A is 17°30'.
Angle at point B is 90°00'.
Angle at point C is 72°30'.

Distance on line to point A -----54.64 chs.
Distance by triangulation A to B-----25.26 chs.
Total distance on line to B is-----79.90 chs.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains 79.90	<p>The cor. of secs. 23, 24, 25 and 26.</p> <p>Thence</p> <p>S.89°47'W., on true line bet. secs. 23 and 26.</p> <p>Over broken bench land, through medium growth of Timber and undergrowth.</p> <p>Ascend 1020 ft. over precipitous E. slope and vertical sandstone rim.</p>	10120
25.26	<p>Top of sandstone rim, 300 ft. high, bears NE. and SW.</p> <p>Continue ascent of 80 ft. over E. slope.</p>	
35.40	Top of ridge, bears N. and S.	
39.95	<p>Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, and surrounded by mound of stone, to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <div style="text-align: center;"> $\begin{array}{r} S\ 23 \\ \frac{1}{4} \text{ ---} \\ S\ 26 \\ 1930. \end{array}$ </div> <p style="text-align: right;">from which</p> <p>A juniper, 8 ins. diam., bears N.35°00'E., 67 lks. dist., mkd. $\frac{1}{2}$ S 23 B T.</p> <p>A pinon, 10 ins. diam., bears S.50°15'E., 43 lks. dist., mkd. $\frac{1}{2}$ S 26 B T.</p> <p>Descend 65 ft. over NW. slope.</p>	
52.00	Bottom of draw, course N. Ascend 50 ft.	
54.80	Top of spur, projects N. Descend 65 ft.	
69.70	Bottom of draw, course NE. Ascend 25 ft.	
74.20	Top of spur, projects NE. Descend 10 ft.	
77.10	Bottom of draw, course NE. Ascend 25 ft.	
79.90	<p>The cor. of secs. 22, 23, 26 and 27.</p> <p>Land, broken bench; general drainage and exposure N. and E.</p> <p>Soil, sandy loam and surface sandstone; 3rd rate.</p> <p>Timber, juniper and pinon.</p> <p>Undergrowth, buck brush and blackbrush.</p> <p>Fair grazing.</p>	

N.0°01'W., bet. secs. 22 and 23.

Over broken bench land, through medium growth of timber and undergrowth.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

Descend 20 ft. over NE. slope.

2.10 Bottom of draw, course E. from SW. Ascend 70 ft.

5.60 Top of flat ridge, bears NE. and SW. Descend 210 ft. over NE. slope.

32.90 Bottom of draw, course E. from SW. ascend 95 ft.

38.70 Top of spur, projects NE.

40.00 Set an iron post 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 22 | S 23
 1930

from which

A juniper, 4 ins. diam., bears N.30°45'E., 113 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.

A juniper 5 ins. diam., bears N.6°30'W., 88 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.

Descend 175 ft. over NW. slope.

79.10 Bottom of draw, course NE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface sandstone, surrounded by large mound of stone to the top, for the cor. of secs. 14, 15, 22 and 23, with brass cap mkd.

T23S R23E
 S15 | S14
 S22 | S23
 1930

from which

A pinon, 3 ins. diam., bears N.31°30'E., 78 lks. dist., mkd. B T.

A pinon, 6 ins. diam., bears S.56°45'E., 8 lks. dist. mkd. T 23 S R 23 E S 23 B T.

A pinon, 7 ins. diam., bears S.7°30'W., 81 lks. dist., mkd. T 23 S R 23 E S 22 B T.

A juniper, 3 ins. diam., bears N.54°45'W., 65 lks. dist., mkd. B T.

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

SURVEY OF THE SUBDIVISION OF T.23 S., R.23 E.

Chains

Timber, juniper and pinon.

Undergrowth, blackbrush.

Fair grazing.

N.89°47'E., on random line bet. secs. 14 and 23.

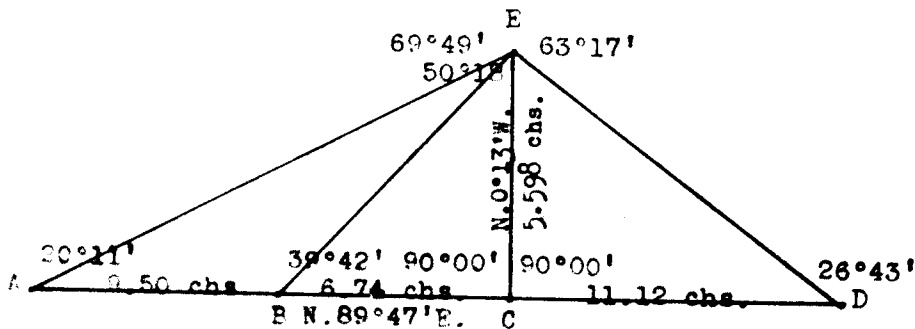
38.14 Top of sandstone rim, bears N. and S. The line to the east descends over vertical sandstone rim, and crosses the Colorado River and ascends vertical sandstone rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:
Erect flag A at this point. Set flag B on right bank of river, set flag C on sand bar on left bank of river and set flag D on top of rim across the river. From C survey base line N.0°13'W., 5.598 chs. the mean of

by 1st set of chainmen 5.598 chs.

by 2nd set of chainmen 5.598 chs.

and erect flag E.

The angles subtended at E are 63°17'; 50°18' and 69°49' respectively; the angle subtended at A is 20°11'; the angle subtended at B is 39°42'; the angles subtended at C are 90°00'; the angle subtended at D is 26°43'. All angles were determined by three repetitions with the error balanced to 180°; the bearings were determined by deflection. The vertical angle from A to C is - 34° and from C to D is plus 40°.



Total distance on line to A-----	38.14 chs.
Distance by triangulation A to C-----	15.23 chs.
Total distance on line to C-----	53.37 chs.
Distance by triangulation C to B-----	6.74 chs.
Total distance by triangulation to B-----	46.63 chs.

Total distance on line to C-----	53.37 chs.
Distance by triangulation C to D-----	11.12 chs.
Total distance on line to D-----	64.49 chs.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains
38.14 Set temp. witness $\frac{1}{4}$ sec. cor.
40.00 Falls on inaccessible sandstone ledges.
46.63 Point B of triangulation.
46.71 Set temp. meander cor. of the right bank of the Colorado River.
53.37 Point C of triangulation.
54.87 Set temp. meander cor. on the left bank of the Colorado River.
64.49 Point D of triangulation.
80.00 Intersect N. and S. line, 35 lks. N. of the corner of secs. 13, 14, 23 and 24.
Thence
N. $89^{\circ}58'W.$, on true line bet. secs. 14 and 23.
Over broken bench land, through scattering timber and undergrowth.
Descend 160 ft. over NW. slope.
12.50 Bottom of draw, course NW.
15.51 Left rim of the Colorado River Canyon, 300 ft. high, bears NW. and SE. Descend abruptly over vertical sandstone rim and precipitous W. slope.
23.60 Telephone line, bears N. and S., from Cisco Utah to Castleton Utah.
24.40 Road, bears N. and S., from Cisco Utah to Castleton Utah.
25.13 The mean high water mark on the left bank of the Colorado River, 615 ft. below rim.
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander cor. bet. secs. 14 and 23, with brass cap mkd.

T23S
S14
MC ———
S23
R23E
1930

from which

X B O chisled on stationary sandstone boulder, 12 x 12 x 8 ft., bears N. $12^{\circ}E.$, 7 lks. dist.

Raise mound of stone 3 ft. base, 3 ft. high E. of the corner.

SURVEY OF THE SUBDIVISION OF SECTION 28, T20S, R23E, S14

Chains		
	Thence across the Colorado River and to point 348	41.86
26.63	Point on sandstone in the Colorado River	00.00
33.29	The mean high water mark on the right bank of the Colorado River.	17.30
	Set an iron post, 3 ft. long, 1 in. diam., 50 ins. in the ground, for the meander cor. bet. secs. 14 and 23, with brass cap mkd.	
	<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> T23S R23E S14 — MC S23 R23E 1930 </div> <div style="margin-left: 10px;"> and raise mound of stone 3 ft. base, 3 ft. high, W. of the cor. Ascend precipitous E. slope and vertical sandstone rim. </div> </div>	24.40
40.00	Point for the $\frac{1}{2}$ sec. cor., falls on inaccessible sandstone rim.	00.00
41.86	Top of sandstone rim, 300 ft. high, bears N. and S.	01.31
	Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the witness $\frac{1}{2}$ sec. cor., with brass cap mkd.	17.31
	<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> S 14 $\frac{1}{2}$ — WC S 23 1930 </div> <div style="margin-left: 10px;"> from which A juniper, 8 ins. diam., bears S. 28° 30' W., 13 lks. dist., mkd. WC $\frac{1}{2}$ S 23 BT A juniper 6 ins. diam., bears N. 51° 15' W., 10 lks. dist., mkd. WC $\frac{1}{2}$ S 14 B T. </div> </div>	00.85
	Ascend 120 ft. over E. slope.	
46.50	Top of ridge, bears NE. and SW. Thence over broken N. slope.	
48.20	Bottom of draw, course NE.	
56.50	Top of spur, projects NE.	
62.90	Bottom of draw, course NE.	
66.40	Top of spur, projects NE.	
78.90	Bottom of draw, course NE.	
80.00	The cor. of secs. 14, 15, 22 and 23.	

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, blackbrush, with willow and yellow top
along the river.
Poor grazing.

N.0°01'W., bet. secs. 14 and 15.

Over broken bench land, through scattering timber and
Undergrowth.

3.30 Top of spur, projects NE.

6.00 Bottom of draw, course E. Ascend 105 ft.

15.60 Top of ridge, bears NE. and SW. Descend 300 ft.

40.00 The point for the $\frac{1}{4}$ sec. cor., falls under over-
hanging sandstone ledge, 20 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the
ground to solid rock, surrounded by mound of stone
to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 15 | S 14

1930

from which

A pinon, 8 ins. diam., bears S.55°00'W., 6 lks.
dist., mkd. $\frac{1}{4}$ S 15 B T.

Ascend 5 ft. over S. slope.

2.90 Rim of canyon, bears E. and W. Descend 125 ft.

5.90 Bottom of canyon, course E. Ascend 125 ft.

7.40 Rim of canyon, bears E. and W. Ascend 105 ft.

3.70 Top of ridge, bears NE. and SW. Descend 95 ft.

0.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in
the ground to solid rock, surrounded by mound of stone
to the top, for the cor. of secs. 10, 11, 14 and 15,
with brass cap mkd.

T23S R23E

S10 | S11

S15 | S14

1930

from which

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains		A juniper, 4 ins. diam., bears N. 50° 00' E., 155 lks. dist., mkd. T 23 S R 23 E S 11 B T.	155
		A juniper, 6 ins. diam., bears S. 58° 00' E., 171 lks. dist., mkd. T 23 S R 23 E S 14 B T.	171
		A juniper, 6 ins. diam., bears S. 63° 30' W., 340 lks. dist., mkd. T 23 S R 23 E S 15 B T.	340
		A juniper, 4 ins. diam., bears N. 54° 15' W., 83 lks. dist., mkd. T 23 S R 23 E S 10 B T.	83
		Land. broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, blackbrush. Poor grazing.	
		S. 89° 58' E., on random line, bet. secs. 11 and 14.	
40.00		Set to p. $\frac{1}{4}$ sec. cor.	
79.98		Intersect N. and S line, 26 lks. S. of the cor. of secs. 11, 12, 13 and 14.	
		Thence	
		S. 89° 51' W., on true line bet. secs. 11 and 14.	
		Over broken bench land, through scattering timber and undergrowth.	
0.40		Bottom of draw, course N. Ascend 20 ft.	
9.10		Top of spur, projects N. Descend 130 ft.	
29.10		Bottom of draw, course NE. Ascend 80 ft.	
39.99		Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
		<div style="text-align: center;">S 11 $\frac{1}{4}$ ————— S 14 1930</div>	
		from which	
		A juniper, 8 ins. diam., bears N. 12° 00' E., 73 lks. dist., mkd. $\frac{1}{4}$ S 11 B T.	
		A juniper, 4 ins. diam., bears S. 17° 30' E., 126 lks. dist., mkd. $\frac{1}{4}$ S 14 B T.	
		Ascend 205 ft. over NE. slope to sec. cor.	
42.20		Rim, bears NE. and SW.	

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains

- 46.70 Top of spur, projects NE.
- 79.98 The cor. of secs. 10, 11, 14 and 15.
Land, broken bench; general drainage and exposure N.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush and sagebrush.
Fair grazing.
-
- N. 0° 01' W., bet. secs. 10 and 11.
Over broken bench land, through scattering timber
and undergrowth.
Descend 195 ft. over broken NE. slope to bottom of
canyon.
- 7.60 Rim of canyon, bears E. and W.
- 13.40 Bottom of Canyon, course NE. Ascend 95 ft. over SE.
slope to top of spur.
- 16.70 Rim of canyon, bears E. and W.
- 19.60 Spur, projects NE. Descend 110 ft. to bottom of
canyon.
- 27.80 Rim of canyon, bears SE. and NW.
- 31.00 Bottom of Yellow Jacket Canyon, stream of clear water
1 lk. wide, course SE. Ascend 100 ft. to 1/4 sec. cor.
- 33.50 Rim of canyon, bears NW. and SE.
- 40.00 Set an iron post. 3 ft. long, 1 in. diam., 6 ins. in
the ground to solid rock, and surrounded by mound of
stone to the top, for the 1/4 sec. cor., with brass cap
mkd.

$\frac{1}{4}$
 S 10 | S 11
 1930

from which

A juniper 5 ins. diam., bears S. 87° 45' E., 145 lks.
dist., mkd. 1/4 S 11 B T.

A juniper 6 ins. diam., bears S. 35° 15' W., 50 lks.
dist., mkd. 1/4 S 10 B T.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains

Ascend 25 ft. over SE. slope.

49.70

Top of ridge, bears NW. and SE. Descend 15 ft.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 2, 3, 10 and 11, with brass cap mkd.

T23S	R23E
S 3	S 2
S10	S11
1930	

from which

A juniper 12 ins. diam., bears N.22°00'E., 145 lks. dist., mkd. T 23 S R 23 E S 2 B T.

A juniper 4 ins. diam., bears S.86°30'E., 292 lks. dist., mkd. T 23 S R 23 E S 11 B T.

A juniper 3 ins. diam., bears S.62°30'W., 174 lks. dist., mkd. B T.

A juniper 3 ins. diam., bears N.66°45'W., 80 lks. dist., mkd. B T.

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and blackbrush.

Fair grazing.

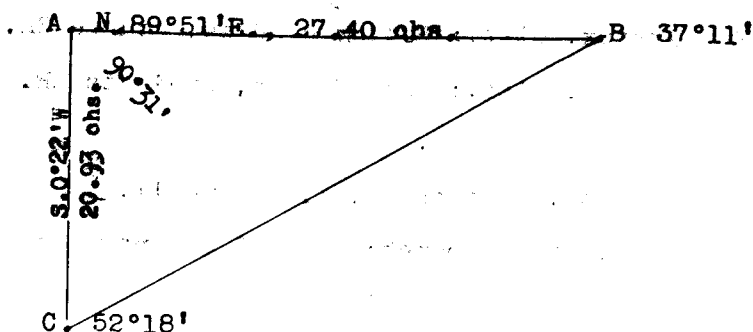
N.89°51'E., on random line bet. secs. 2 and 11.

The line to the east ascends over vertical sandstone rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows: Erect flag A at the cor. of secs. 2, 3, 10 and 11, and set flag B on line to the E. From A survey base line S.0°22'W., 20.93 chs. and erect flag C. The angle subtended at C is 52°18'. The angle subtended at B is 37°11'.

The vertical angle from A to B is plus 6°.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains



Distance on line by triangulation to B is-----27.40 chs.
Point B of triangulation. Top of sandstone rim.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 9 lks. N. of the cor. of
secs. 1, 2, 11 and 12.
Thence
S. 89°55'W., on true line bet. secs. 2 and 11.
Over broken bench land, through scattering timber and
undergrowth.
Ascend 60 ft. over NE slope to top of divide.
Spur, projects N.
Draw, course NE.
Small spur, projects S.
Head of small draw, course S 1 ch. thence NE.
Top of divide bears SE. and NW. Descend 20 ft.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
the ground to solid rock and surrounded by mound of
stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap
mkd.

S 2
 $\frac{1}{4}$ ———
S 11
1930

from which

A juniper, 4 ins. diam., bears S. 72°00'W., 49 lks.
dist., mkd. $\frac{1}{4}$ S 11 B T.

A juniper 3 ins. diam., bears N. 26°00'W., 127 lks.
dist., mkd. $\frac{1}{4}$ S 2 B T

Descend 30 ft. over W. slope.

Top of sandstone rim, 125 ft. high, bears SE. and NW.
Descend 190 ft. over SE. slope to the sec. cor.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	
60.00	Approx. dist.: Bottom of draw, course SE.
65.00	Approx. dist.: Top of spur, projects SE.
76.90	Draw, course SE.
79.92	The cor. of secs. 2, 3, 10 and 11.
	Land, broken bench; general drainage and exposure, E $\frac{1}{2}$ mile NE, and W $\frac{1}{2}$ mile SE.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, blackbrush and sage brush.
	Fair grazing.
	N.0°01'W., on true line bet. secs. 2 and 3.
	Over broken bench land, through scattering timber and undergrowth.
2.40	Draw, course SE. Ascend 130 ft. over SE. slope to top of divide.
15.00	Spur, projects SE.
20.00	Draw, course SE.
21.50	Sandstone rim, 20 ft. high, bears E. and W.
26.00	Top of divide, bears E. and W. Descend 90 ft. to $\frac{1}{4}$ sec. cor.
32.00	Bottom of draw, course E.
39.00	Top of spur, projects E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, surrounded by mound of stone, to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ S 3 S 2 1930 </div>
	from which
	A juniper, 4 ins. diam., bears N.71°00'E., 127 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.
	A juniper 4 ins. diam., bears N.68°30'W., 157 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.
	Descend 20 ft. over NE. slope.
42.40	Bottom of draw, course NE. ascend 50 ft.

107

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains
51.00

Top of ridge, bears NE. and SW. Descend 80 ft. over NE. slope to closing cor.

69.00

Bottom of draw, course NE.

83.34

Intersect the the S. bdy. of sec. 35, T. 22 S., R. 23 E., E. 2.34 chs. dist. from the cor. of secs. 34 and 35, T. 22 S., R. 23 E., heretofore described.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface sandstone, surrounded by mound of stone to the top, for the closing corner of secs. 2 and 3, T. 23 S., R. 23 E., with brass cap mkd.

T22S R23E
S35

S 3	S 2
T23S	R23E
C C	
	1930

from which

A juniper, 5 ins. diam., bears S.63°00'E., 301 lks. dist., mkd. T 23 S R 23E S 2 C C B T.

A juniper 3 ins. diam., bears S.72°45'W., 50 lks. dist., mkd. B T.

Land, broken bench land, general drainage and exposure S. 26 chs. is SE. the balance of the mile is NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush and sage brush.

Fair grazing.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. heretofore described.

N.0°02'W., on true line bet. secs. 33 and 34.

The line to the north ascend over vertical sandstone rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at this sec. cor., and set flag B on line to the north on top of rim; also set flag C north-westerly from A on top of rim. The mean distance of

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

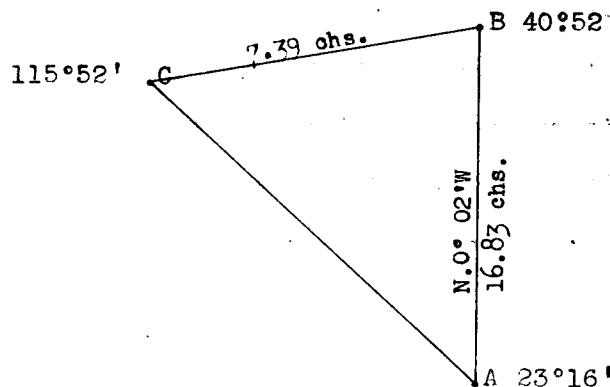
Chains

of the base line BC is 7.39 chs.

by 1st set of chainmen is 7.39 chs.

by 2nd set of chainmen is 7.39 chs.

All angles were determined by three repetitions and the error balanced to 180°. The vertical angle A to B is plus 32°



Angle at point A is 23° 16'

Angle at point B is 40° 52'

Angle at point C is 115° 52'

Total distance on line by triangulation to B----	16.83 chs
Distance by return measurement-----	9.03 "
	<u>7.80 "</u>

- 7.80 Top of sandstone rim, 400 ft. high, bears NE. and SW. Ascend 80 ft. to top of ridge.
- 16.83 Point B of triangulation, 695 ft. above sec. cor.
- 19.40 Top of ridge, bears E. and W. Descend 45 ft.
- 34.00 Bottom of draw, course NW. Ascend 5 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$
 S 33 | S 34
 1930

from which

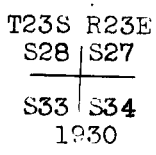
A juniper 4 ins. diam., bears N. 37° 00' E., 80 lks. dist., mkd. S 34 B T.

A pinon, 9 ins. diam., bears S. 48° 00' W., 77 lks. dist., mkd. S 33 B T

Ascend 35 ft. over SW. slope.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23E.

Chains
44.40 Top of spur, projects NW. Descend 225 ft. over NW.
slope,
70.30 Draw, course NW. Ascend 5 ft.
74.50 Spur, projects NW. Descend 25 ft.
80.00 Set an iron post, 3 ft. long, 2 in. diam., over X cut
in solid surface sandstone, surrounded by mound of
stone to the top, for the cor. of secs. 27, 28, 33 and
34, with brass cap mkd.



from which
A pinon, 6 ins. diam., bears N. 60° 00' E., 137 lks.
dist., mkd. T 23 S R 23 E S 27 B T.
A pinon, 5 ins. diam., bears S. 70° 00' E., 54 lks.
dist., mkd. T 23 S R 23 E S 34 B T.
A pinon, 5 ins. diam., bears S. 29° 00' W., 48 lks.
dist., mkd. T 23 S R 23 E S 33 B T.
A pinon, 3 ins. diam., bears N. 39° 00' W., 83 lks.
dist., mkd. B T.

Land, broken bench; general drainage and exposure NW.
and S.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, blackbrush and sage brush.
Fair grazing.

East on random line bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line, 26 lks. S. of the cor. of
secs. 26, 27, 33 and 34.
Thence
S. 89° 49' W., on true line bet. secs. 27 and 34.
Over broken bench land, through scattering timber and
undergrowth.
Descend 25 ft. over NE. slope.
11.60 Bottom of draw, course NE. Ascend 85 ft.
21.50 Spur, projects NE.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23E.

Chains		
34.10	Draw, course NE.	ended 00 04.44
39.95	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\begin{array}{c} \frac{1}{4} \text{ S } 27 \\ \hline \text{S } 34 \\ 1930 \end{array}$	
	from which	
	A pinon, 12 ins. diam., bears N.26°30'E., 19 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.	
	A pinon, 10 ins. diam., bears S.29°00'E., 58 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.	
	Ascend 125 ft. over E. slope.	
50.50	Top of ridge, bears N. and SW. Descend 90 ft.	
62.50	Draw, course N. Ascend 15 ft.	
66.80	Spur, projects N. Descend 25 ft.	
72.20	Draw, course N. Ascend 30 ft.	
76.10	Spur, projects N. Descend 30 ft.	
79.90	The cor. of secs. 27, 28, 33 and 34.	
	Land, broken bench land; general drainage and exposure N.	
	Soil, sandy loam and surface sandstone; 3rd rate.	
	Timber, juniper and pinon.	
	Undergrowth, blackbrush and sage brush.	
	Fair grazing.	
	N.0°02'W., bet. secs: 27 and 28.	
	Over broken bench land, through medium growth of timber and scattering undergrowth.	
	Descend 145 ft. over broken NW. slope to the $\frac{1}{4}$ sec. cor.	
28.40	Draw, course NW.	
29.90	Spur, projects NW.	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\begin{array}{c} \frac{1}{4} \\ \hline \text{S } 28 \quad \quad \text{S } 27 \\ 1930 \end{array}$	
	from which	

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains

A pinon, 4 ins. diam., bears S. $46^{\circ}15'E.$, 6 lks.
dist., mkd. $\frac{1}{4}$ S 27 B T.

A pinon, 5 ins. diam., bears N. $50^{\circ}00'W.$, 70 lks.
dist., mkd. $\frac{1}{4}$ S 28 B T.

Descend 110 ft. over broken NW. slope to the sec. cor.

61.50 Draw, course NW.

66.70 Spur, projects NW.

71.50 Draw, course NW.

73.20 Sandstone rim, bears NE. and SW.

80.00 Base of sandstone rim, bears NE. and SW.

Set an iron post, 3 ft. long, 2 ins. diam., 21 ins in
the ground, to solid rock, surrounded by mound of stone
to the top, for the cor. of secs. 21, 22, 27 and 28,
with brass cap mkd.

T23S	R23E
S21	S22
S28	S27
1930	

from which

A juniper, 4 ins. diam., bears N. $82^{\circ}45'E.$, 20 lks.
dist., mkd. B T.

A pinon, 6 ins. diam., bears N. $16^{\circ}15'W.$, 117 lks.
dist., mkd. T 23 S R 23 E S 21 B T.

Land, broken bench: general drainage and exposure NW.

Soil, sandy loam and surface sandstone: 3rd rate.

Timber, juniper and pinon.

Undergrowth, blackbrush and sagebrush.

Pasture grazing.

N. $89^{\circ}49'E.$, on random line bet. sec. 22 and 27.

40.00 Set temp. sec. cor.

79.88 Intersect the cor. of secs. 22, 23, 26 and 27.

Thence

S. $89^{\circ}49'W.$, on true line bet. secs. 22 and 27.

Over broken bench land, through medium growth of timber
and scattering undergrowth.

Ascend 110 ft. over broken NE. slope to top of ridge.

4.20 Small draw, course NE.

SURVEY OF THE SUBDIVISION OF T. 25 S. R. 23 E.

Chains		
22.00	Top of ridge, bears NE. and SW. Descend 30 ft.	anlar0
39.94	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid sandstone, surrounded by large mound of stone, to the top, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.	
	$\frac{1}{2}$ S 22	
	S 27	
	1930	
	from which	
	A pinon, 12 ins. diam., bears N. 20° 00' E., 72 lks. dist., mkd. $\frac{1}{2}$ S 22 B T.	
	A pinon, 6 ins. diam., bears S 29° 00' E., 34 lks. dist., mkd. $\frac{1}{2}$ S 27 B T.	
	Ascend 85 ft. over broken NE. slope, to ridge.	
55.30	Draw, course NE.	
65.10	Top of ridge, bears NE. and SW. Descend 120 ft. to the sec. cor.	
77.80	Sandstone rim, bears N. and S.	
79.88	The cor. of secs. 21, 22, 27 and 28.	
	Land, broken bench; general drainage and exposure NE.	
	Soil, sandy loam and surface sandstone; 3rd rate.	
	Timber, juniper and pinon.	
	Undergrowth, sagebrush and black brush.	
	Fair grazing.	
	N. 0° 02' E., bet. secs. 21 and 22.	
	Over broken bench land, through medium growth of timber and undergrowth.	
	Ascend 35 ft. to top of spur.	
2.00	Sandstone rim, bears NW. and SE.	
16.70	Spur, projects W. Descend 170 ft. to bottom of canyon.	
27.40	Right rim of canyon, bears SW. and NE.	
33.70	Bottom of canyon, course N. 60° E. Ascend 20 ft.	
36.50	Spur, projects NE. Descend 10 ft.	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, surrounded by mound of stone, to the top, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.	

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

$\frac{1}{4}$
 S 21 | S 22
 1930

from which

A juniper, 4 ins. diam., bears N.61°00'E., 71 lks.
dist., mkd. $\frac{1}{4}$ S 22 B T.

A juniper, 4 ins. diam., bears N.14°00'W., 12 lks.
dist., mkd. $\frac{1}{4}$ S 21 B T.

Descend 25 ft. over NW. slope.

49.30 Bottom of canyon, course NW.

50.20 Small spur, projects W. Descend 50 ft.

53.10 Bottom of canyon, course N. 25°E. Ascend 135 ft. to
top of ridge.

59.30 Rim of canyo , bears SW. and NE.

80.00 On top of ridge, bears N. and SW.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut
in solid surface rock, 30 ins. in large mound of stone,
for the cor. of secs. 15, 16, 21 and 22, with brass cap
mkd.

T23S R23E
 S16 | S15
 ———
 S21 | S22
 1930

from which

A pinon, 6 ins. diam., bears N.9°30'E., 318 lks.
dist., mkd. T 23S R 23 E S 15 B T.

A juniper, 6 ins. diam., bears S.18°30'E., 123 lks.
dist., mkd. T 23 S R 23 E S 22 B T.

A pinon, 3 ins. diam., bears S.64°30'W., 56 lks.
dist., mkd. B T.

A pinon, 3 ins. diam., bears N.12°00'W., 110 lks.
dist., mkd. B T.

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sage brush and black brush.

Fair grazing.

N.89°49'E., on random line bet. secs. 15 and 22.

SURVEY OF THE SUBDIVISION OF T. 23 S. 10 E. 23 E.

Chains		entire
40.00	Set temp. $\frac{1}{4}$ sec. cor.,	
79.70	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 15 and 22.	
	Thence	
	S. $89^{\circ}50'W.$, on true line bet. secs. 15 and 22.	
	Over broken bench land, through medium growth of timber and undergrowth.	
	Ascend 150 ft. over NE. slope, to top of ridge.	
2.00	Spur, projects NE.	
10.80	Bottom of draw, course NE.	
35.60	Top of ridge, bears NE. and SW. Descend 85 ft.	
39.85	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface sandstone and surrounded by large mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\begin{array}{r} S\ 15 \\ \frac{1}{4} \text{ } \\ \hline S\ 22 \\ 1930 \end{array}$	
	from which	
	A pinon, 6 ins. diam., bears S. $48^{\circ}30'W.$, 232 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.	
	A pinon, 8 ins. diam., bears N. $59^{\circ}00'W.$, 155 lks. dist., mkd. $\frac{1}{4}$ S 15 B T.	
	Descend 170 ft. to bottom of canyon.	
45.60	Rim of canyon, bears NE. and SW.	
55.50	Bottom of canyon, course NE. Ascend 235 ft. to sec. cor.	
59.30	Rim of canyon, course NE. and SW.	
79.70	The cor. of secs. 15, 16, 21 and 22.	
	Land, broken bench; general drainage and exposure NE.	
	Soil, sandy loam and surface sandstone; 3rd rate.	
	Timber, juniper and pinon.	
	Undergrowth, sagebrush and black brush.	
	Fair grazing.	

N. $0^{\circ}02'W.$, bet. secs. 15 and 16.

Over broken bench land, through medium growth of
timber and undergrowth.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains.

Descend 50 ft. over NE. slope.

9.30 Bottom of draw, course NE. Ascend 20 ft.

19.10 Spur, projects NE. Descend 185 ft.

23.30 Bottom of draw, course NE. Ascend 25 ft.

37.90 Spur, projects NE. Descend 65 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface sandstone, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 16 | S 15
1930

from which

A pinon, 4 ins. diam., bears N.41°00'E., 130 lks. dist., mkd. $\frac{1}{4}$ S 15 B.T.

A pinon, 10 ins. diam., bears S.59°00'W., 164 lks. dist., mkd. $\frac{1}{4}$ S. 16 B.T.

Descend 25 ft. over NE. slope.

42.30 Bottom of draw, course E. Ascend 160 ft.

57.00 Top of spur, projects NE. Descend 100 ft.

67.30 Bottom of draw, course NE. ascend 35 ft.

77.50 Spur, projects NE. Descend 35 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, surrounded by mound of stone to the top, for the cor. of secs. 9, 10, 15 and 16, with brass cap mkd.

T23S R23E
S 9 | S 10
S 16 | S 15
1930

from which

A juniper 3 ins. diam., bears N.88°00'E., 4.60 chs. dist., mkd. B.T.

A juniper 4 ins. diam., bears S.9°15'E., 358 lks. dist., mkd. B.T.

A pinon, 10 ins. diam., bears S.51°45'W., 723 lks. dist., mkd. T 23 S R 23 E S 16 B.T.

Land, broken bench; general drainage and exposure NE.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	
	N.0°02'W., bet. secs. 9 and 10.
	Over broken bench land, through scattering timber and undergrowth.
	Descend 90 ft. over broken N. slope to $\frac{1}{2}$ sec. cor.
21.70	Draw, course NW.
23.00	Spur, projects NW.
24.10	Draw, course NE.
25.40	Spur, projects NE.
26.40	Draw, course NE.
28.00	Spur, projects NE.
39.70	Small draw, course E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;">$\frac{1}{2}$ S 9 S 10 1930</div>
	from which
	A juniper, 3 ins. diam., bears N.36°00'E., 58 lks. dist., mkd. B T.
	A juniper, 4 ins. diam., bears S.46°00'W., 86 lks. dist., mkd. $\frac{1}{2}$ S 9 B T.
	Ascend 10 ft. over S. slope.
42.50	Spur, projects E. Descend 40 ft. over broken N. slope to the sec. cor.
45.60	Draw, course E.
55.50	Spur, projects E.
59.50	Draw, course E.
65.30	Spur, projects E.
67.60	Draw, course E.
71.60	Spur, projects E.
73.40	Draw, course E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, surrounded by mound of stone to the top, for the cor. of secs. 3, 4, 9 and 10, with brass cap mkd.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E. S. 3, 4, 10, 11

Chains

T23S R23E

S 3 | S 4

S 10 | S 11

1930

from which

A juniper 8 ins. diam., bears N. 80° 15' E., 190 lks.

dist., mkd. T 23 S R 23 E S 3 B T.

A juniper, 4 ins. diam. bears S. 85° 30' E., 2.11 lks.

dist., mkd. T 23 S R 23 E S 10 B T.

A juniper, 4 ins. diam., bears S. 50° 15' W., 341 lks.

dist., mkd. T 23 S R 23 E S 9 B T.

A juniper 4 ins. diam., bears N. 26° 30' W., 155 lks.

dist., mkd. T 23 S R 23 E S 4 B T.

Land, broken bench: general drainage and exposure NE.

Soil, sandy loam and surface sandstone: 3rd rate.

Timber, juniper and pinon.

Undergrowth, black brush and sagebrush.

Fair grazing.

N. 89° 17' E., on random line bet. secs. 3 and 10.

40.00 Set temp. 1/2 sec. cor.

70.60 Intersect N. and S. line, 19 lks. N. of the cor. of
secs. 2, 3, 10 and 11.

Thence

N. 89° 55' W., on true line bet. secs. 3 and 10.

Over broken bench land, through scattering timber
and undergrowth.

Ascend 240 ft. over broken SE. slope, to 1/2 sec. cor.

20. Top of flat ridge, bears SE. and NW.

38.10 Top of sandstone rim, bears NE. and SW. Thence across
top of mesa.38.80 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in
the ground to solid rock and surrounded by mound of
stone to the top, for the 1/2 sec. cor., with brass
cap mkd.

S 3

S 10

1930

from which

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	
	A juniper 4 ins. diam., bears N.33°15'W., 38 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.
	A juniper, 4 ins. diam., bears S.60°45'W., 192 lks. dist., mkd. $\frac{1}{4}$ S 10 B T.
	Descend 260 ft. over broken S. slope to sec. cor.
44.90	Top of sandstone rim, 50 ft. high, bears SE. and NW.
59.60	Bottom of draw, course S.
70.00	Small spur, projects S.
78.40	Small draw, course SE.
79.60	The cor. of secs. 3, 4, 9 and 10.
	Land, broken bench; general drainage and exposure S.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, sagebrush and black brush.
	Fair grazing.
	<hr/>
	N.0°02'W., on true line bet. secs. 3 and 4.
	Over broken bench land, through medium growth of timber, and undergrowth.
2.00	Draw, course SE. Ascend 165 ft. over broken SE. slope to top of divide.
18.70	Spur, projects E.
20.70	Draw, course E.
23.50	Sandstone rim, bears NE. and SW.
28.80	Top of divide bears NE. and SW. Descend 55 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;">$\frac{1}{4}$ S 4 S 3 1930</div>
	from which
	A juniper 4 ins. diam., bears S.35°30'E., 86 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.
	A juniper, 6 ins. diam., bears N.20°00'W., 442 lks. dist., mkd. $\frac{1}{4}$ S 4 B T.

SURVEY OF THE SUBDIVISION OF T.23 S. R. 23 E.

Chains	
	Descend 125 ft. over broken NE. slope.
66.90	Right rim of canyon, bears NE. and SW.
83.14	Intersect the S. bdy., of sec. 34, T. 22 S., R. 23 E., East, 3.58 chs. from the cor. of secs. 33 and 34, T. 22 S., R. 23 E., heretofore described.
	At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface sandstone and surrounded by mound of stone to the top, for the closing corner of secs. 3 and 4, with brass cap mkd.
	<div>T22S R23E S34 ----- S 4 S 3 T23S R23E C C 1930</div>
	from which
	A juniper, 5 ins. diam., bears S.82°00'E., 127 lks. dist., mkd. T 23 S R 23 E S 3 C C B T.
	A juniper 4 ins. diam., bears S.21°00'W., 98 lks. dist., mkd. T 23 S R 23 E S 4 C C B T.
	Land, broken bench; general drainage and exposure S½ mile SE, and N½ mile N.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth; sagebrush and black brush.
	Fair grazing.
	From the cor. of secs. 32 and 33, on the S. bdy., heretofore described.
	N.0°03'W., on true line bet. secs. 32 and 33.
	Over broken bench land, through medium growth of timber, and undergrowth.
0.50	Top of ridge, bears E. and W. Descend 105 ft. over broken NE. slope to bottom of draw at 18.50 chs.
13.60	Draw, course NE.
16.60	Spur, projects E.
18.50	Bottom of draw, course NE. Ascend 10 ft.
24.70	Spur, projects E. Descend 85 ft.

SUBDIVISION OF T23S R. 23E

Chains

39.30 Bottom of draw, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 32 \mid \text{S } 33 \\ 1930 \end{array}$$

from which

A pinon, 10 ins. diam., bears S.84°00'E., 24 lks. dist., mkd. $\frac{1}{4}$ S 33 B T.

A pinon, 6 ins. diam., bears S.66°00'W., 18 lks. dist., mkd. $\frac{1}{4}$ S 32 B T.

Ascend 5 ft. over S. slope.

44.20 Spur, projects W. Descend 120 ft. over broken N. slope to the sec. cor.

49.00 Draw, course NE.

50.00 Spur, projects E.

60.90 Draw, course W.

73.90 Spur, projects W.

76.50 Draw, course NE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the cor. of secs. 28, 29, 32 and 33, with brass cap mkd.

$$\begin{array}{c} \text{T23S R23E} \\ \text{S29} \mid \text{S28} \\ \hline \text{S32} \mid \text{S33} \\ 1930 \end{array}$$

from which

A pinon, 10 ins. diam., bears N.54°00'E., 125 lks. dist., mkd. T 23 S R 23 E S 28 B T..

A pinon, 10 ins. diam., bears S.24°30'E., 41 lks. dist., mkd. T 23 S R 23 E S 33 B T.

A pinon, 3 ins. diam., bears S.29°15'W., 49 lks. dist., mkd. B T.

A pinon, 3 ins. diam., bears N.88°00'W., 95 lks. dist., mkd. B T.

SURVEY OF THE SUBDIVISION OF T.23S. R.23E. 23 E.

Chains	Land, broken bench; general drainage and exposure N. and S. Soil, sandy loam and surface sandstone; 3rd rate. 00.00 Timber, juniper and pinon. 00.00 Undergrowth, black brush and sagebrush. Fair grazing.
	S.89°53'E., on random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line 3 lks. S. of the cor. of secs. 27, 28, 33 and 34. Thence N.89°54'W., on true line bet. secs. 28 and 33. Over broken bench land, through medium growth of timber and undergrowth. Descend 50 ft. over broken N. slope to the $\frac{1}{2}$ sec. cor.
14.70	Draw, course N.
31.70	Spur, projects N.
39.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> S 28 $\frac{1}{2}$ S 33 1930 </div> <div style="text-align: right;">from which</div>
	A juniper, 5 ins. diam., bears S.2°00'W., 62 lks. dist., mkd. $\frac{1}{4}$ S 33 B T.
	A juniper, 6 ins. diam., bears N.53°30'W., 86 lks. dist., mkd. $\frac{1}{2}$ S 28 B T.
	Descend 10 ft. over NW. slope.
48.70	Bottom of draw, course NE. Ascend 125 ft.
62.60	Top of ridge, bears NE. and SW. Descend 45 ft.
75.80	Bottom of draw, course N.
79.80	The cor. of secs. 28, 29, 32 and 33. Land, broken bench; general drainage and exposure N. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and sagebrush. Fair grazing.

SURVEY OF THE SUBDIVISION OF T.23 S. R. 23 E.

Chains	
	N.0°03'W., bet. secs. 28 and 29.
	Over broken bench land through medium growth of timber and undergrowth.
	Ascend 5 ft. over S. slope.
3.80	Spur, projects NE. Descend 340 ft. over broken NE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ S\ 29 \mid S\ 28 \\ 1930 \end{array}$
	from which
	A juniper 10 ins. diam., bears N.40°00'E., 130 lks. dist., mkd. $\frac{1}{4}$ S. 28 B T.
	A juniper 4 ins. diam., bears N.44°00'W., 123 lks. dist., mkd. $\frac{1}{4}$ S. 29 B T.
	Descend 50 ft. over NE. slope.
41.00	Draw, course E. Ascend 110 ft.
59.00	Top of ridge, bears NE. and SW. Descend 140 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the cor. of secs. 20, 21, 28 and 29, with brass cap mkd.
	$\begin{array}{c} T23S\ R23E \\ S20 \mid S21 \\ \hline S29 \mid S28 \\ 1930 \end{array}$
	from which
	A juniper 4 ins. diam., bears N.10°00'E., 392 chs. dist., mkd. T 23 S R 23 E S 21 B T.
	A juniper 5 ins. diam., bears S.27°30'E., 502 lks. dist., mkd. T 23 S R 23 E S 28 B T.
	A juniper 4 ins. diam., bears S.25°15'W., 122 lks. dist., mkd. T 23 S R 23 E S 29 B T.
	A juniper 8 ins. diam., bears N.78°30'W., 63 lks. dist., mkd. T 23 S R 23 E S 20 B T.
	Land, broken bench: general drainage and exposure NE.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber. juniper and pinon.

SURVEY OF THE SUBDIVISION OF T. 23 N. R. 10 E.

Chains		spiral
	Undergrowth, blackbrush and sagebrush. N. 80° 0' W.	
	Fair grazing.	
	<hr/>	
	S. 89° 54' E., on random line bet. secs. 21 and 28.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.08	Intersect N. and S. line 3 lks. N. of the cor. of	
	secs. 21, 22, 27 and 28.	
	Thence	
	N. 89° 53' W., on true line bet. secs. 21 and 28.	
	Over broken bench land, through medium growth of	
	timber and undergrowth. Descend 80 ft.	
4.90	Bottom of canyon, course N. Ascend 65 ft. to spur.	
9.10	Rim of canyon bears N. and S.	
10.10	Top of spur, projects NE. Descend 30 ft. to bottom	
	of canyon.	
10.90	Rim of canyon, bears NE. and SW.	
15.80	Bottom of canyon, course NE. Ascend 175 ft. to the	
	$\frac{1}{4}$ sec. cor.	
19.10	Rim of canyon, bears NE. and SW.	
23.10	Top of spur, projects SE.	
25.00	Draw, course SE from SW.	
40.04	Set an iron post, 3 ft. long, 1 in. diam., over X cut	
	in solid surface sandstone and surrounded by mound of	
	stone to the top, for the $\frac{1}{4}$ sec. cor., with brass	
	cap mkd.	
	$\begin{array}{r} S\ 21 \\ \frac{1}{4} \text{ ---} \\ S\ 28 \\ 1930 \end{array}$	
	from which	
	A juniper 6 ins. diam., bears S. 18° 30' W., 44 lks.	
	dist., mkd. $\frac{1}{4}$ S 28 B T.	
	A juniper 8 ins. diam., bears N. 70° 00' W., 42 lks.	
	dist., mkd. $\frac{1}{4}$ S 21 B T.	
	Ascend 10 ft. over E. slope.	
48.10	Top of ridge, bears NE. and SW. Descend 20 ft.	
72.80	Draw, course N. Ascend 10 ft.	
77.50	Spur, projects N. Descend 25 ft.	
80.08	The cor. of secs. 20, 21, 28 and 29.	

SURVEY OF THE SUBDIVISION OF T.23 S. R. 23 E.

Chains

Land, broken bench; general drainage and exposure NE.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, sagebrush and black brush.
Fair grazing.

N.0°03'W., bet. secs. 20 and 21.

Over broken bench land, through medium growth of timber and undergrowth.

Descend 85 ft. over broken NW. slope to sec. cor.

9.50 Bottom of draw, course NW.

18.90 Spur, projects NW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the sec. cor., with brass cap mkd.

S 20 | S 21

1930

from which

A juniper 10 ins diam., bears S.85°00'E., 186 lks. dist., mkd. S 21 E T.

A juniper 3 ins. dia., bears S.34°00'W., 151 lks. dist., mkd. B T.

Descend 40 ft. over NE. slope.

56.50 Bottom of small canyon, course E. Ascend 50 ft.

64.30 Top of ridge, bears NE. and SW. Descend 45 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the cor. of secs. 16, 17, 20 and 21, with brass cap mkd.

T23S R23E

S17 | S16

S20 | S21

1930

from which

A pinon, 8 ins. diam., bears N.42°30'E., 104 lks. dist., mkd. T 23 S R 23 E S 16 E T.

A pinon, 6 ins. diam., bears S.14°45'E., 87 lks. dist., mkd. T 23 S R 23 E S 21 E T.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains	<p>A pinon, 12 ins. diam., bears S. 71°30'W., 13 lks. ^{marked}</p> <p>dist., mkd. T 23 S R 23 E S 20 B T.</p> <p>A pinon, 8 ins. diam., bears N. 33°30'W., 109 lks.</p> <p>dist., mkd. T 23 S R 23 E S 17 B T.</p> <p>Land, broken bench; general drainage and exposure NE.</p> <p>Soil, sandy loam and surface sandstone; 3rd rate.</p> <p>Timber, juniper and pinon.</p> <p>Undergrowth, sagebrush and black brush.</p> <p>Fair grazing.</p>
40.00	<p>S. 89°53'E., on random line bet. secs. 16 and 21.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
80.06	<p>Intersect N. and S. line 9 lks. S. of the corner of</p> <p>secs. 15, 16, 21 and 22.</p> <p>Thence</p> <p>N. 89°57'W., on true line bet. secs. 16 and 21.</p> <p>Over broken bench land, through scattering timber and</p> <p>medium growth of undergrowth.</p> <p>Descend 30 ft. over NW. slope.</p>
6.30	<p>Draw, drains NE. Ascend 40 ft.</p>
9.80	<p>Top of spur, projects NE. Descend 60 ft.</p>
40.03	<p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in</p> <p>the ground for the $\frac{1}{4}$ sec. cor., with brass cap mkd.</p>
	<p style="text-align: center;"> $\begin{array}{r} S' 16 \\ \frac{1}{4} \text{ --- } \\ S' 21 \\ 1930 \end{array}$ </p> <p style="text-align: right;">03.40</p> <p style="text-align: right;">04.03</p> <p style="text-align: right;">from which</p>
	<p>A pinon, 5 ins. diam., bears N. 54°00'E., 72 lks.</p> <p>dist., mkd. $\frac{1}{4}$ S 16 B T.</p> <p>A pinon, 10 ins. diam., bears S. 83°00'E., 48 lks.</p> <p>dist., mkd. $\frac{1}{4}$ S 21 B T.</p> <p>Descend 135 ft. to bottom of canyon.</p>
46.60	<p>Rim of canyon bears NE. and SW.</p>
51.90	<p>Bottom of canyon, course NE. Ascend 265 ft. to top</p> <p>of ridge. T 23 S R 23 E S 20 B T.</p>
56.00	<p>Rim of canyon bears NE. and SW.</p>
70.60	<p>Top of ridge, bears NE. and SW. Descend 55 ft.</p>

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains
80.08

The cor. of secs. 16, 17, 20 and 21.

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, black brush and sage brush.

Fair grazing.

N.0°03'W., bet. secs. 16 and 17.

Over broken bench land, through medium growth of
timber and undergrowth.

Descend 85 ft. over NW. slope.

11.70 Bottom of draw, course NW. Ascend 45 ft.

14.60 Spur, projects W. Descend 100 ft.

20.80 Draw, course NE. Ascend 20 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
the ground to solid rock, and surrounded by mound of
stone for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
$$\begin{array}{c} \frac{1}{4} \\ \hline S\ 17 \quad | \quad S\ 16 \end{array}$$

1930

from which

A juniper 6 ins. diam., bears S. 18°15'E., 168 lks.
dist., mkd. $\frac{1}{4}$ S 16 B T.A juniper 6 ins. diam., bears N. 70°00'W., 192 lks.
dist., mkd. $\frac{1}{4}$ S 17 B T.

Ascend 20 ft. over S. slope.

43.10 Top of ridge, bears E. and E. Descend 165 ft.

71.60 Bottom of draw, course NE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins.
in the ground, surrounded by mound of stone to the
top, for the cor. of secs. 8, 9, 16 and 17, with
brass cap mkd.
$$\begin{array}{c} T23S\ R23E \\ \hline S\ 8 \quad | \quad S\ 9 \\ \hline S17 \quad | \quad S16 \\ 1930 \end{array}$$

from which

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	A juniper 4 ins. diam., bears N. 63°30'E., 237 lks. dist., mkd. T 23 S R 23 E S 9 B T.	237 120.08
	A juniper 6 ins. diam., bears S. 15°00'E., 290 lks. dist., mkd. T 23 S R 23 E S 16 B T.	
	A juniper 4 ins. diam., bears S. 61°45'W., 396 lks. dist., mkd. T 23 S R 23 E S 17 B T.	
	A juniper 3 ins. diam., bears N. 36°45'W., 60 lks. dist., mkd. B T.	
	Land, broken bench; general drainage and exposure NE.	
	Soil, sandy loam and surface sandstone; 3rd rate.	
	Timber, juniper and pinon.	
	Undergrowth, pinon and juniper.	
	Fair grazing.	
	S. 89°57'E., on random line bet. secs. 9 and 16.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.20	Intersect N. and S. line, 33 lks. S. of the cor. of secs. 9, 10, 15 and 16.	
	Thence	
	S. 89°49'W., on true line bet. secs. 9 and 16.	
	Over broken bench land, through medium growth of timber and undergrowth.	
	Descend 60 ft. over broken NE. slope to bottom of canyon.	
13.20	Rim of canyon, bears N. and S.	
15.20	Draw, course NW.	
16.70	Spur, projects N.	
19.20	Bottom of canyon, course NE. Ascend 110 ft. to the $\frac{1}{4}$ sec. cor.	
21.70	Small spur, projects NE.	
22.30	Bottom of small draw, course NE.	
25.50	Rim of canyon, bears NE. and SW.	
40.10	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	S 9	
	$\frac{1}{4}$	
	S 16	
	1930	
	from which	

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	
	A juniper 4 ins. diam., bears N.66°45'E., 5.10 chs. dist., mkd. $\frac{1}{4}$ S 9 B T.
	A juniper 4 ins. diam., bears S.53°30'E., 2.38 chs. dist., mkd. $\frac{1}{4}$ S 16 B T.
	Ascend 15 ft. over SE. slope.
45.80	Top of ridge, bears NE. and SW. Descend 50 ft.
70.70	Draw, course NE. Ascend 25 ft.
80.20	The cor. of secs. 8, 9, 16 and 17.
	Land, broken bench; general drainage and exposure NE.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, black brush and sagebrush.
	Fair grazing.
	N.0°03'W., bet. secs. 8 and 9.
	Over broken bench land, through scattering timber and medium growth of undergrowth.
6.40	Top of spur, projects NE. Descend 50 ft. to bottom of draw, at 29.60 chs.
22.70	Draw, course NE.
25.20	Spur, projects NE.
29.60	Draw, course E. 1 ch. thence NE. Ascend 20 ft.
35.50	Spur, projects NE. Descend 15 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ S 8 S 9 1930 </div>
	from which
	A juniper 4 ins. diam., bears N.24°30'E., 170 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.
	A juniper 6 ins. diam., bears S.49°45'W., 168 lks. dist., mkd. $\frac{1}{4}$ S 8 B T.
42.50	Draw, course NE. Ascend 5 ft.
60.00	Small spur, projects E.
62.20	Draw, course E.
64.9 0	Small spur, projects E.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains

68.20

Draw, course E. Leave timber bears E. and W. angle 0

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 4, 5, 8 and 9, with brass cap mkd.

T23S R23E

S 5 | S 4

S 8 | S 9

1930

and raise mound

of stone 3 ft base, 2 ft. high W. of the cor.

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

N. 89°49'E., on random line bet. secs. 4 and 9.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.26

Intersect N. and S. line, 5 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence

S. 89°47'W., on true line bet. secs. 4 and 9.

Over broken bench land, through medium growth of undergrowth and scattering timber.

Ascend 210 ft. over broken S. slope to top of sandstone spur.

11.60

Draw, course SE.

14.30

Small spur, projects SE.

28.30

Saddle in sandstone spur, projects S. Descend 100 ft.

37.30

Draw, course S.

40.13

Top of small spur, projects S.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 4

 $\frac{1}{4}$

S 9

1930

from which

A juniper 4 ins. diam., bears N. 49°15'W., 230 lks.

dist., mkd. $\frac{1}{4}$ S 4 B T.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	
	A juniper 6 ins. diam., bears S. 83° 00' E., 231 lks. dist., mkd. $\frac{1}{2}$ S. 9 B T.
	Ascend 70 ft. over S. slope, to the sec. cor.
43.80	Draw, course SW.
80.26	The cor. of secs. 4, 5, 8 and 9.
	Land, broken bench; general drainage and exposure S.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, sagebrush and black brush.
	Fair grazing.
	N. 0° 03' W., on true line bet. secs. 4 and 5.
	Over broken bench land through medium growth of undergrowth.
	Ascend 30 ft. over S. slope.
16.30	Top of spur ^{slopes E.} , bears E. and W. Descend 5 ft.
19.50	Draw, course E. Ascend 125 ft. to top of ridge.
32.70	Sandstone rim, 20 ft. high, bears NE. and SW.
34.50	Top of ridge, bears NE. and SW. Descend 35 ft. to the $\frac{1}{2}$ sec. cor. Enter timber bears E. and W.
36.60	Rim of canyon, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the $\frac{1}{2}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{2}$ S 5 S 4 1930 </div>
	from which
	A juniper 6 ins. diam., bears S. 62° 00' E., 180 lks. dist., mkd. $\frac{1}{2}$ S 4 B T.
	A juniper 5 ins. diam., bears N. 37° 00' W., 180 lks. dist., mkd. $\frac{1}{2}$ S 5 B T.
42.00	Small draw, course NE.
44.10	Rocky spur , projects E. Descend 160 ft.
65.90	Bottom of canyon, course NE. Ascend 135 ft. to closing cor.
75.00	Rim of canyon, bears NE. and SW.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains
83.41

Intersect the S. bdy of sec. 33, T. 23 S., R. 23 E.,
East, 3.10 chs. from the cor. of secs. 4, 5, 32 and 33,
3 ins. diam.,
which is an iron post, firmly set, marked and witnessed
as described in the official record. I deface all
marking on this post referring to T. 23 S., R. 23 E.
At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in
the ground to solid rock and surrounded by mound of
stone to the top, for the closing cor. of secs. 4 and
5, with brass cap mkd.

T22S R23E
S 33

S 5	S 4
T23S	R23E
C C	
1930	

from which

A juniper 6 ins. diam., bears S. 78° 15' E., 149 lks.
dist., mkd. T 23 S R 23 E S 4 C C B T.

A juniper 6 ins. diam., bears S. 80° 00' W., 116 lks.
dist., mkd. T 23 S R 23 E S 5 C C B T.

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, black brush and sagebrush.

Fair grazing.

From the cor. of secs. 31 and 32, on the S. bdy.,
heretofore described.

N. 0° 03' W., on true line bet. secs. 31 and 32.

Over broken bench land, through medium growth of
timber and undergrowth. Descend 10 ft. over N. slope.

6.00 "raw, course SW. Ascend 65 ft.

12.40 Top of ridge, bears SW. and NE. Descend 195 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in
the ground to solid rock, and surrounded by mound of
stone to the top, for the $\frac{1}{2}$ sec. cor., with brass cap
mkd.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

$\frac{1}{4}$
 S 31 | S 32
 1930

from which

A pinon, 8 ins. diam., bears S.87°00'E., 33 lks.
dist., mkd. $\frac{1}{4}$ S 32 B T.

A pinon, 7 ins. diam., bears N.10°00'W., 21 lks.
dist., mkd. $\frac{1}{4}$ S 31 B T.

Descend 120 ft. over N. slope.

65.30 Bottom of draw, course S.70°W. Ascend 75 ft. over S.
slope.

80.00 Top of ridge, bears E. and SW.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground for the cor. of secs. 29, 30, 31 and 32,
with brass cap mkd.

T23S R23E
 S30 | S29
 ————
 S31 | S32
 1930

from which

A pinon, 3 ins. diam., bears N.66°45'E., 50 lks.
dist., mkd. B T.

A pinon, 3 ins. diam., bears S.33°00'E., 18 lks.
dist., mkd. B T.

A pinon, 8 ins. diam., bears S.54°45'W., 118 lks.
dist., mkd. T 23 S R 23 E S 31 B T.

A pinon, 6 ins. diam., bears N.55°30'W., 63 lks.
dist., mkd. T 23 S R 23 E S 30 B T.

Land, broken bench; general drainage and exposure W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

S.89°53'E., on random line bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line 7 lks. S. of the cor. of secs.
28, 29, 32 and 33.

SURVEY OF THE SUBDIVISION OF T.25 S., R.123 E.

Chains	Thence	201210
	N.89°56'W., on true line bet. secs. 29 and 32. Over broken bench land, through medium growth of timber and undergrowth.	
2.50	Spur, projects NE. Descend 55 ft.	
20.50	Bottom of draw , course N.45°E. Ascend 100 ft.	
40.06	Top of ridge, bears N. and S. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\begin{array}{r} \text{S } 29 \\ \frac{1}{4} \text{ --- } \\ \text{S } 32 \\ 1930 \end{array}$	
	from which	
	A pinon, 6 ins.diam., bears N.42°45'E., 49 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.	
	A pinon, 8 ins. diam., bears S.40°00'E., 49 lks. dist., mkd. $\frac{1}{4}$ S 32 B T.	
	Thence descend along top of ridge, bearing E. and W. 95 ft.	
80.12	The cor. of secs. 29, 30, 31 and 32. Land, broken bench; general drainage and exposure E. on $E\frac{1}{2}$ mile and W on the $W\frac{1}{2}$ mile. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and sagebrush. Fair grazing.	
	<hr/>	
	N.89°53'W., on random line bet. secs. 30 and 31.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
77.61	Intersect the W. bdy., 14 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, 2 ins. diam. firmly set, marked and witnessed as described in the official record.	
	Thence	
	S.89°47'E., on true line bet. secs. 30 and 31.	
	Over broken bench land, through medium growth of timber and undergrowth.	

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	
	Ascend 30 ft. over W. slope.
6.60	Spur, projects N. Descend 30 ft.
13.70	Draw, course N. Ascend 45 ft.
21.90	Spur, projects N. Descend 20 ft.
25.40	Draw, course NW. Ascend 20 ft.
37.61	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface sandstone, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S\ 30 \\ \frac{1}{4} \quad \hline S\ 31 \\ 1930 \end{array}$
	from which
	A pinon, 4 ins. diam., bears S. 68° 00' E., 139 lks. dist., mkd. $\frac{1}{4}$ S 31 B T.
	A juniper 4 ins. diam., bears N. 66° 15' W., 95 lks. dist., mkd. $\frac{1}{4}$ S 30 B T.
	Ascend 115 ft. over W. slope, to the sec. cor.
44.70	Spur, projects S.
58.60	Draw, course SW.
77.61	The cor. of secs. 29, 30, 31 and 32.
	Land, broken bench: general drainage and exposure N.
	Soil, sandy loam and surface sandstone: 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, sagebrush and black brush.
	Fair grazing.
	<hr/>
	N. 0° 03' W., bet. secs. 29 and 30.
	Over broken bench land, through medium growth of timber and undergrowth.
	Descend 110 ft. over NW. slope.
29.70	Bottom of draw, course NW. Ascend 65 ft. to top of ridge.
35.00	Sandstone rim, 30 ft. high, bears NW. and SE.
39.40	Top of ridge, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	
	<div><div><div><div></div><div>S 30</div><div>1930</div></div><div><div>S 29</div><div>from which</div></div></div></div>
	A pinon, 6 ins. diam., bears N.12°45'E., 83 lks. dist., mkd. $\frac{1}{2}$ S 29 B T.
	A pinon, 6 ins. diam., bears N.11°00'W., 71 lks. dist., mkd. $\frac{1}{2}$ S 30 B T.
	Descend 165 ft. over NE. slope to the sec.cor.
70.40	Draw. course NE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins.in the ground, for the cor.of secs. 19, 20, 29 and 30, with brass cap mkd. <div><div><div><div>T23S</div><div>S19</div><div>S30</div><div>1930</div></div><div><div>R23E</div><div>S20</div><div>S29</div></div></div></div>
	<div>from which</div> <div>A juniper 12 ins. diam., bears N.18°00'E., 135 lks. dist., mkd. T 23 S R 23 & S 20 BT.</div> <div>A juniper 3 ins.diam., bears S.44°00'E., 260 lks. dist., mkd. B T.</div> <div>A pinon, 3 ins.diam., bears N.20°30'W., 456 lks. dist., mkd. B T.</div>
	Land, broken bench land; general drainage and exposure NE. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, sagebrush and black brush. Fair grazing.
	<hr/> S.89°56'E., on random line bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.08	Intersect the cor. of secs. 20, 21, 28 and 29. Thence N.89°56'W., on true line bet. secs. 20 and 29. Over broken bench land, through scattering timber and medium growth of undergrowth.
21.90	Small draw, course NE. Ascend 5 ft.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains	
30.50	Top of spur, projects N. Descend 35 ft.
32.60	Draw, course NE. Ascend 35 ft.
40.04	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S\ 20 \\ \frac{1}{4} \overline{) \quad} \\ S\ 29 \\ \cdot 1930 \end{array}$
	from which
	A pinon, 3 ins. diam., bears N. 0° 50' E., 69 lks. dist., mkd. B T.
	A pinon, 6 ins. diam., bears S. 4° 00' E., 26 lks. dist., mkd. S 29 B T.
	Ascend 20 ft. over NE. slope.
44.00	Top of ridge, bears NE. and SW. Descend 40 ft.
71.50	Bottom of draw, course NE.
80.08	The cor. of secs. 19, 20, 29 and 30.
	Land, broken bench; general drainage and exposure NE.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, sagebrush and black brush.
	Fair grazing.
	<hr/>
	N. 89° 47' W., on random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.47	Intersect the W. bdy., 9 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, 2 ins. diam. firmly set, marked and witnessed as described in the official record.
	Thence
	S. 89° 43' E., on true line bet. secs. 19 and 30.
	Over broken bench land, through medium growth of timber and undergrowth.
0.90	Draw, course SW. Ascend 115 ft. over NW. slope.
37.47	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.

Chains		entire
	to 15 descend $\frac{1}{4}$ S 19 E from ridge	02.02
	to 28 S 30 E from ridge	02.35
	1930	
	from which	40.04
	A pinon, 7 ins. diam., bears N.6°30'E., 81 lks. dist., mkd. $\frac{1}{4}$ S 19 B T.	
	A pinon, 5 ins. diam., bears S.4°15'E., 100 lks. dist., mkd. $\frac{1}{4}$ S 30 B T.	
	Continue ascent of 80 ft. over NW. slope.	
66.50	Top of ridge, bears N. and S. Descend 60 ft.	
77.47	The cor. of secs. 19, 20, 29 and 30.	
	Land, broken bench; general drainage and exposure W. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black brush and sagebrush. Fair grazing.	
	N.0°03'W., bet. secs. 19 and 20.	
	Over broken bench land, through medium growth of timber and undergrowth.	
	Ascend 30 ft. over S. slope.	
8.90	Top of ridge, bears NE. and SW. Descend 70 ft. over N. slope.	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\frac{1}{4}$ S 19 S 20	
	1930	
	from which	
	A juniper 5 ins. diam., bears S.71°00'E., 18 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.	
	A juniper 3 ins. diam., bears N.47°30'W., 118 lks. dist., mkd. B T.	
	Descend 130 ft. over NE. slope to sec. cor.	00.00
60.40	Bottom of draw, course NE.	02.02
66.20	Low spur, projects NE.	

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the cor. of secs. 17, 18, 19 and 20, with brass cap mkd.

T23S R23E
S18 S17
S19 S20
1930

from which

A juniper 4 ins. diam., bears N.71°00'E., 63 lks. dist., mkd. T 23 S R 23 E S 17 B T.

A pinon, 3 ins. diam., bears S.27°00'E., 140 lks. dist., mkd. B T.

A juniper 4 ins. diam., bears S.8°45'E., 90 lks. dist., mkd. B T.

A pinon, 3 ins. diam., bears N.51°00'E., 239 lks. dist., mkd. B T.

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Poor grazing.

S.89°56'E., on random line bet. secs. 17 and 20.

40.00 Set temp. sec. cor.

80.08 Intersect N. and E. line, 7 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence

N.89°59'W., on true line bet. secs. 17 and 20.

Over broken bench land, through scattering timber and undergrowth.

Descend 35 ft. over NE. slope.

22.60 Draw, course NE. Ascend 35 ft.

31.80 Top of ridge, bears NE. and SW. Descend 30 ft.

40.04 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the 4 sec. cor., with brass cap mkd.

S 17
S 20
1930

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	
	from which 8120 00.08
	A juniper 8 ins. diam., bears N. $12^{\circ}30'E.$, 184 lks. dist., mkd. $\frac{1}{4}$ S 17 B T.
	A pinon, 5 ins. diam., bears S. $15^{\circ}15'E.$, 43 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.
41.10	Small draw, course NE. Ascend 105 ft. over NE. slope.
57.00	Spur, projects NE. Descend 65 ft.
65.40	Draw, course NE. Ascend 45 ft.
71.80	Spur, projects NE. Descend 50 ft.
80.08	The cor. of secs. 17, 18, 19 and 20.
	Land, broken bench; general drainage and exposure NE.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, black brush and sagebrush.
	Fair grazing.
	N. $89^{\circ}43'W.$, on random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.41	Intersect the W. bdy., 19 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.
	Thence
	S. $89^{\circ}51'E.$, on true line bet. secs. 18 and 19.
	Over broken bench land, through scattering timber and undergrowth.
	Ascend 35 ft. over NW. slope.
20.60	Top of ridge, bears NE. and SW. Descend 195 ft. over NE. slope to the $\frac{1}{4}$ sec. cor.
28.50	Sandstone rim, 60 ft. high, bears NE. and SW.
37.41	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S 18
	S 19
	1930
	from which

SURVEY OF THE SUBDIVISION OF T. 23 S. R. 23 E.

Chains	
	A pinon, 7 ins. diam., bears S. 9° 30' W., 68 lks. dist., mkd. $\frac{1}{4}$ S 19 B T.
	A pinon, 8 ins. diam., bears N. 29° 00' W., 78 lks. dist., mkd. $\frac{1}{4}$ S 18 B T.
45.40	Sandstone spur, projects S. Descend 100 ft.
64.80	Draw, course NE. Ascend 35 ft.
73.80	Spur, projects NE. Descend 55 ft. to bottom of canyon.
75.40	Sandstone rim, bears NE. and SW.
76.80	Bottom of draw, course NE.
77.41	The cor. of secs. 17, 18, 19 and 20. Land, broken bench: general drainage and exposure NE. Soil, sandy loam and surface rock; 3rd rate. Timber, juniper and pinon. Undergrowth, sagebrush and black brush. Fair grazing.
	N. 0° 03' W., bet. secs. 17 and 18. Over broken bench land, through scattering timber and undergrowth.
1.00	Draw, course NE. Ascend 40 ft.
2.00	Top of sandstone rim, 30 ft. high, bears NE. and SW.
4.60	Spur, projects NE. Descend 95 ft.
29.20	Bottom of draw, course NE. Ascend 11 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 18 S 17 1930
	from which A juniper 3 ins. diam., bears N. 59° 30' E., 46 lks. dist., mkd. B T. A juniper 3 ins. diam., bears S. 14° 30' W., 64 lks. dist., mkd. B T. Ascend 10 ft. over gradual S. slope.
45.30	Spur, projects NE. Descend 80 ft. over NE. slope.

SURVEY OF THE SUBDIVISION OF T.21 S. R. 23 E.

Chains		
62.90	Timber becomes very scattering.	entand
73.00	Bottom of draw, course NE. Ascend 25 ft.	
80.00	On top of small sandy hill	
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 7, 8, 17 and 18, with brass cap mkd.	
	<div style="text-align: center;"> T23S R23E S 7 S 8 ——— S18 S17 1930 </div>	
	from which	
	A juniper 3 ins. diam., bears S.30°45'E., 4.48 chs. dist., mkd. B T.	
	A juniper 3 ins. diam., bears S.45°45'W., 3.51 chs. dist., mkd. B T.	
	Land, broken bench; general drainage and exposure NE.	
	Soil, sandy loam and surface sandstone; 3rd rate.	
	Timber, juniper and pinon.	
	Undergrowth, sagebrush and black brush.	
	Fair grazing.	
	<hr/>	
	S.89°59'E., on random line bet. secs. 8 and 17.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.10	Intersect N. and S. line 30 lks. N. of the cor. of secs. 8, 9, 16 and 17.	
	Thence	
	N.89°46'W., on true line bet. secs. 8 and 17.	
	Over broken bench land, through scattering timber and undergrowth.	
2.40	Low spur, projects NE. Descend 35 ft.	
26.50	Draw, course NE.	
40.05	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for the $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	<div style="text-align: center;"> S 8 $\frac{1}{4}$ S 17 1930 </div>	
	from which	
	A juniper 3 ins. diam., bears N.81°00'E., 55 lks. dist., mkd. B T.	

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	
	A juniper 6 ins. diam., bears S.53°30'W., 80 lks. dist., mkd. $\frac{1}{4}$ S 17 B T.
41.50	Draw, course NE.
52.80	Spur, projects NE. Descend 10 ft.
58.60	Draw, course NE. Ascend 30 ft.
80.10	The cor. of secs. 7, 8, 17 and 18. Land, broken bench; general drainage and exposure NE. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, sagebrush and black brush. Fair grazing.
	N.89°51'W., on random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.33	Intersect the W. bdy., 12 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record. Thence S.89°46'E., on true line bet. secs. 7 and 18. Over broken bench land, through scattering timber and undergrowth. Ascend 15 ft.
14.20	Top of ridge, bears N. and S. Descend 165 ft. to $\frac{1}{4}$ sec. cor.
23.10	White sandstone rim, 100 ft. high, bears N. and S.
37.33	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd. <div style="text-align: center;">S 7 $\frac{1}{4}$ ————— S 18 1930</div> from which A juniper 3 ins. diam., bears S.26°30'E., 153 lks. dist., mkd. B T. A juniper, 4 ins. diam., bears N.38°45'W., 273 lks. dist., mkd. $\frac{1}{4}$ S 7 B T. Descend 51 ft. over NE. slope.
77.33	The cor. of secs. 7, 8, 17 and 18.

Chains

Land, broken bench; general drainage and exposure NE.
 Soil, sandy loam and surface sandstone; 3rd rate.
 Timber, juniper and pinon. 02.14
 Undergrowth, sagebrush and black brush. 08.18
 Fair grazing. 08.98
 01.08

N.0°03'W., bet. secs. 7 and 8.

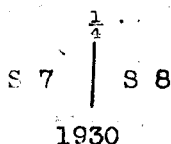
Over broken bench land, through very scattering timber and medium growth of undergrowth.

Descend 20 ft. over NE. slope.

32.10 Bottom of draw, course NE. Ascend 5 ft.

40.00 On top of sandy spur, projecting E.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.



from which

A juniper 3 ins. diam., bears N.54°30'E., 156 lks. dist., mkd. B T.

A juniper 3 ins. diam., bears S.22°45'W., 130 lks. dist., mkd. B T.

48.20 Bottom of draw, course E., 70 ft. below $\frac{1}{4}$ sec. cor. West, approx. 25 chs. dist., in bottom of this draw, is a small spring of good water.

The line to the north ascends over vertical sandstone rim, over which chaining is impracticable. Therefore to determine the distance I return to the $\frac{1}{4}$ sec. cor., and triangulate as follows:

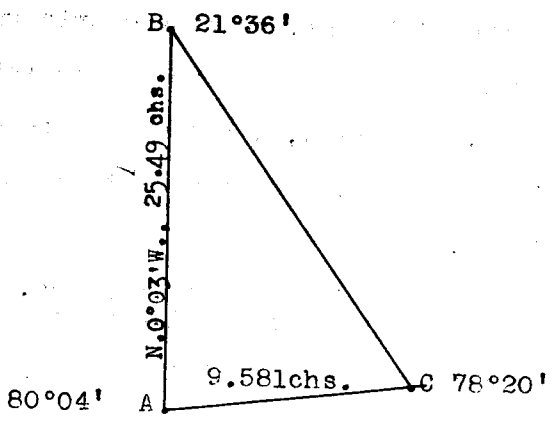
Erect flag A at the $\frac{1}{4}$ sec. cor. and set flag B on line to the north on top of rim. Erect flag C northeasterly from flag A at a mean distance of 9,581 chs.

by 1st set of chainmen 9,582 chs.
 by 2nd set of chainmen 9,580 chs.

All angles determined by three repetitions with the error balanced to 180° the vertical angle from A to B is plus 4°45'. 22.77

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains



Angle at point A is 80°04'
 Angle at point B is 21°36'
 Angle at point C is 78°20'

Distance on line to point A is-----40.00 chs.
 Distance by triangulation from A to B is-----25.49 chs.
 Total distance on line to B -----65.49 chs.

65.49 Point B of triangulation. Top of white sandstone rim,
 100 ft. high, bears NE. and SW. Ascend 15 ft.

71.90 Top of ridge, bears NE. and SW. Descend 30 ft.

80.00 Set an iron post, 3 ft. long, 2 ins.diam., 30 ins. in
 the ground, for the cor. of secs. 5, 6, 7 and 8, with
 brass cap mkd.

T23S R23E
S 6	S 5
 S 7 | S 8
 1930

from which

A juniper 3 ins. diam., bears S.61°30'E., 568 lks.
 dist., mkd. B T.

A juniper 3 ins. diam., bears S.75°30'W., 190 lks.
 dist., mkd. B T.

Land, broken bench: general drainage and exposure NE.

Soil, sandy loam and surface sandstone: 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

S.89°46'E., on random line bet. secs. 5 and 8.

34.09 Set flag for triangulation.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

42.00 Top of vertical sandstone rim, over which chaining is
 impracticable. Therefore to determine the distance I

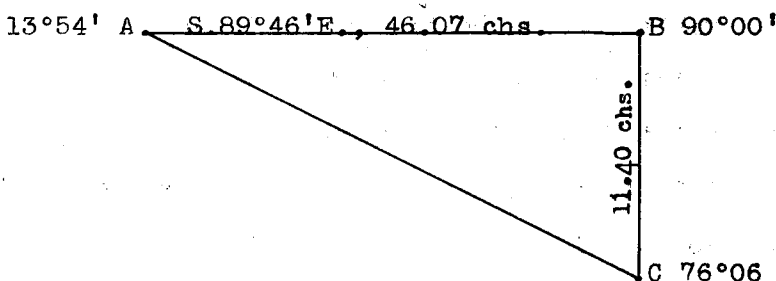
SURVEY OF THE SUBDIVISION OF T.23 S. R. 23 E.

Chains

return to the 34.09 chs.' point and triangulate as follows: Erect flag A at this point and set flag B on line near the cor. of secs. 4, 5, 8 and 9. Also erect flag C southeasterly from A. The mean distance of the base line BC is 11.40 chs.

by 1st set of chainmen is 11.401 chs.
by 2nd set of chairmen is 11.399 chs.

All angles were determined by three repetitions with the error balanced to 180°. The vertical angle from A to B is - 5°.



Angle at point A is 13°54'
Angle at point B is 90°00'
Angle at point C is 76°06'.

Distance on line to A is -----34.09 chs.
Distance by triangulation A to B-----46.07 chs.
Total distance on line to B-----80.16 chs.

80.16 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence

N. 89°48' W., on true line bet. secs. 5 and 8.

Over broken bench land, through scattering timber and undergrowth.

35.00 Approx. dist. foot of sandstone ledge, 100 ft. high, bears NE. and SW.

38.20 Top of sandstone ledge, bears NE. and SW.

40.08 Set an iron nest, 3 ft. long, 1 in. diam., over X cut in solid surface sandstone and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 5
 $\frac{1}{4}$
S. 8
1930

A juniper 3 ins. diam. bears S. 22°45' E., 57 lks. dist., mkd. B T.

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains	
	A juniper 3 ins. diam., bears N.74°30'W., 98 lks. dist., mkd. B T.
	Ascend 55 ft. over E. slope.
54.60	Top of ridge, bears NE. and SW. Descend 15 ft. 305 ft. above sec. corner.
80.16	The cor. of secs. 5, 6, 7 and 8.
	Land, broken bench; general drainage and exposure SE. and N.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, sagebrush and black brush.
	Fair grazing.
	<hr/>
	N.89°46'W., on random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
77.10	Intersect W. bdy., 12 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
	Thence
	S.89°41'E., on true line bet. secs. 6 and 7.
	Over broken bench land; through scattering timber and undergrowth.
	Ascend 10 ft. over W. slope.
29.20	Top of low ridge, bears NE. and SW.
37.10	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and surrounded by mound of stone to the top, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S\ 6 \\ \frac{1}{2} \text{ --- } \\ S\ 7 \\ 1930 \end{array}$
	from which
	A juniper 3 ins. diam., bears N.33°45'E., 236 lks. dist., mkd. B T.
	A juniper 3 ins. diam., bears S.71°30'E., 104 lks. dist., mkd B T.

SURVEY OF THE SUBDIVISION OF T. 23 S., R. 23 E.,

Chains

entire

Descend 50 ft. over NE. slope. A juniper 3 ins. diam., bears N. 25° 15' E., 220 lks. dist., mkd. B T.
 57.90 Small draw, course NE. Ascend 15 ft. to top of ridge.
 77.10 The cor. of secs. 5, 6, 7 and 8. This corner is on a bench of land, broken bench; general drainage and exposure NE. Soil, sandy loam and surface sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, sagebrush and black brush. Fair grazing.

N. 0° 03' W., on true line bet. secs. 5 and 6.

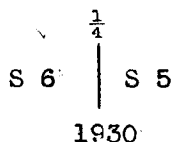
Over broken bench land through scattering timber and medium growth of undergrowth.

Descend 50 ft. over gentle NE. slope.

19.20 Draw, course NE. Ascend 20 ft.

31.70 Spur, projects NE. Descend 25 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.



from which

A juniper 3 ins. diam., bears N. 25° 15' E., 220 lks. dist., mkd. B T.

A juniper 7 ins. diam., bears S. 64° 00' W., 133 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.

Continue descent of 35 ft. over NE. slope.

51.90 Draw, course NE. Ascend 20 ft. over SE. slope.

60.00 Top of ridge, bears NE. and SW. Descend 70 ft.

83.28 Intersect the S. bdy of sec. 35, T. 22 S., R. 23 E., East, 298 chs. from the cor. of secs. 5, 6, 31 and 32, which is an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the official record. I deface all markings on this corner referring to T. 23 S., R. 23 E. And at point of intersection Set an iron post, 3 ft. long 2 ins. diam., 4 ins. in the ground to solid rock, and surrounded by mound of stone to the top for the closing corner of secs. 5 and 6,

SURVEY OF THE SUBDIVISION OF T.23 S., R. 23 E.

Chains

T. 23 S., R. 23 E., with brass cap mkd.

T22S R23E

S 32

S 6 | S 5

T23S R23E

C C

1930

from which

A juniper, 3 ins. diam., bears S.48° 00'E., 151 links dist., mkd. B T

A juniper, 3 ins. diam., bears S.71° 30'W., 130 links dist., mkd. B T

Land, broken bench; general drainage and exposure NE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

ESTABLISHMENT OF $\frac{1}{4}$ SEC.CORS.ON N.Bdy.T.23 S.,R.23 E.

As the $\frac{1}{4}$ section corner for sections 1 and 36, on N. boundary, which is an iron post, 1 in. diam., properly set, marked and witnessed as described in the official record no longer refers to section 1, I deface all markings on post referring to section 1, leaving same for $\frac{1}{4}$ section corner of section 36 only, T. 22 S., R. 23 E. Thence, East, 2.02 $\frac{1}{2}$ chains distant to point which is midway between the closing corner of sections 1 and 2, T. 23 S., R. 23 E., and closing corner of T. 23 S., Rs. 23 and 24 E.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock and surrounded by mound of stone, to the top, for the $\frac{1}{4}$ section corner for section 1 only, with brass cap mkd.

$\frac{1}{4}$ S 1

1930

As the $\frac{1}{4}$ section corner for sections 2 and 35, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record, no longer refers to section 2, I deface all markings on this post referring to section 2, and at a point East 2.26 chains distant, and midway between the closing corner of secs. 1 and 2, and the closing corner of secs. 2 and 3

ESTABLISHMENT OF $\frac{1}{2}$ SEC. CORN. ON N. B. T. 23 S., R. 23 E.

Chains

anlsd0

Set an iron post, 3 ft. long, 1 in. diam., ⁸⁵over I cut in solid surface rock, and surrounded by a mound of stone to the top, for the $\frac{1}{2}$ section corner for section 2 only, with brass cap mkd.

 $\frac{1}{2}$ S 2

1930

from which

A juniper, 7 ins. diam., bears S. 83° 30' E., 163 links dist., mkd. $\frac{1}{2}$ S 2 B T

A juniper, 3 ins. diam., bears S. 72° 30' W., 23 links dist., mkd. $\frac{1}{2}$ S 2 B T

As the $\frac{1}{2}$ section corner for sections 4 and 33, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record, no longer refers to section 4, I deface all markings on this post referring to section 4, and at a point East 3.34 chains dist. and midway between the closing corner for sections 3 and 4, and the closing corner for secs. 4 and 5

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{2}$ section corner for section 4 only, with brass cap marked.

 $\frac{1}{2}$ S 4

1930

from which

A juniper, 6 ins. diam., bears S. 53° 30' E., 56 links dist., mkd. $\frac{1}{2}$ S 4 B T

A juniper, 8 ins. diam., bears S. 56° 15' W., 48 links dist., mkd. $\frac{1}{2}$ S 4 B T

As the $\frac{1}{2}$ section corner for sections 5 and 32, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record, no longer refers to section 5, I deface all markings on this cor. referring to section 5, and at a point East 3.04 chains

ESTABLISHMENT OF $\frac{1}{4}$ SEC. CORN. ON N. BDY. OF T. 23 S., R. 23 E.

Chains

dist. and midway between the closing corner of sections 4 and 5, and the closing corner of sections 5 and 6, Set an iron post, 3 ft. long, 1 in. diam. over X cut in solid surface rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ section corner for section 5 only, with brass cap mkd.

$\frac{1}{4}$ S 5
1930

from which

A juniper, 3 ins. diam., bears S. 56° 15' E., 13 links dist., mkd. B T

As the $\frac{1}{4}$ section corner for sections 6 and 31, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record, no longer refers to section 6, I deface all markings on this post referring to section 6. At a point East, 2.98 chains distant from the above $\frac{1}{4}$ section corner, and 40.00 chains westing from the closing corner of sections 5 and 6,

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ section corner, for section 6 only, with brass cap marked

$\frac{1}{4}$ S 6
1930

from which

A juniper, 3 ins. diam., bears S. 9° 45' E., 40 links dist., mkd. B T

A juniper, 3 ins. diam., bears S. 75° 30' W., 53 links dist., mkd. B T

MEANDERS OF T. 23 S., R. 23 E.

From the true point for the meander corner for sections 13 and 18 on E. boundary, which is S. 0° 03' E., 2.00

MEANDERS OF T. 23 S., R. 23 E.,

N. 23

Chains

201203

chains from the witness meander corner on the right bank of the Colorado River, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record.

Thence with the meander downstream on the right bank of the Colorado River in section 13.

Along gravelly shore line, through medium undergrowth.

S.89°15'W., 5.83 chs.

S.74°00'W., 9.40 chs.

S.43°45'W., 9.10 chs.

S.45°45'W., 3.80 chs. The meander corner of sections 13 and 24, on the right bank of the Colorado River.

Land, broken.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, willow, sagebrush and squaw berry.

Thence with the meanders downstream on the right bank of the Colorado River in section 24.

Thence along sloping clay bank, through dense undergrowth.

S.48°30'W., 2.80 chs.

S.57°30'W., 5.45 chs.

S.81°30'W., 4.80 chs.

S.86°15'W., 5.80 chs.

N.87°30'W., 3.50 chs.

N.88°30'W., 4.30 chs.

N.72°30'W., 5.30 chs.

N.36°00'W., 5.04 chs. The meander corner of sections 13 and 24, on the right bank of the Colorado River.

Land, broken,

Soil, sandy and clay loam; 3rd rate.

Timber, none.

Undergrowth, willow and squaw berry.

Thence with the meander on the right bank of the Colorado River downstream in section 13.

Along sloping shore line through medium growth of undergrowth.

N.55°30'W., 2.90 chs.

N.30°45'W., 8.20 chs.

N.31°45'W., 4.14 chs.

MEANDERS OF T. 23 S. R. 23 E.

N.9°30'W., 7.90 chs.

N.19°30'W., 12.50 chs.

N.36°00'W., 3.00 chs.

N.30°00'W., 5.40 chs.

N.45°30'W., 5.40 chs.

The true point for the meander corner of secs. 13 and 14, on the right bank of the Colorado River, heretofore described.

Land, broken.

Soil, clay and sandy loam, with surface sandstone; 3rd. rate.

Timber, none.

Undergrowth, sagebrush and willow.

Thence with the meanders on the right bank of the Colorado River, downstream in sec. 14.

Along rocky shore line through medium growth of undergrowth.

N.61°30'W., 9.00 chs.

N.86°00'W., 3.90 chs.

S.68°30'W., 5.50 chs.

S.55°45'W., 12.80 chs.

S.31°30'W., 10.10 chs.

S.4°00'W., 21.40 chs.

S.6°30'E., 8.20 chs.

The meander cor. of secs. 14 and 23, on the right bank of the Colorado River, heretofore described.

Land, broken.

Soil, clay and sandy loam with surface sandstone; 3rd rate.

Timber, none.

Undergrowth, sagebrush and willows.

Thence with the meanders along the right bank of the Colorado River, downstream in sec. 23.

Along rocky shore line through medium growth of undergrowth.

S.35°00'E., 1.60 chs.

S.23°45'E., 10.90 chs.

S.51°30'E., 10.00 chs.

At end of course mouth of canyon, drains from SW.

MEANDERS OF T. 23 S. R. 23 E.

S. 29°00'E., 20.70 chs.

S. 58°00'E., 4.30 chs.

S. 35°30'E., 4.40 chs.

S. 12°30'E., 11.90 chs.

S. 8°45'E., 9.13 chs.

The meander corner on the right bank of the Colorado River, for secs. 23 and 24, heretofore described.

Land, broken.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, sagebrush and willows.

Thence with the meanders of the right bank of the Colorado River, downstream in sec. 24.

Along rocky shore line through medium growth of undergrowth.

S. 3°00'E., 10.40 chs.

S. 11°00'E., 7.47 chs.

The meander corner on the right bank of the Colorado River, for secs. 24 and 25, heretofore described.

Land, broken.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, sagebrush and willows.

Thence with the meanders of the right bank of the Colorado River, downstream in sec. 25.

Along rocky shore line, through dense undergrowth.

S. 26°30'E., 7.70 chs.

At 2.60 chs. mouth of draw drains from SW.

S. 13°45'E., 12.10 chs.

S. 32°00'E., 6.30 chs.

S. 29°00'E., 14.60 chs.

S. 51°30'E., 8.00 chs.

S. 39°15'E., 20.20 chs.

At 14.60 chs. mouth of draw, drains from S.

S. 28°30'E., 12.60 chs.

S. 9°00'E., 8.50 chs.

S. 24°47'E., 3.64 chs.

The meander cor. of secs. 25 and 26, on the right bank of the Colorado River, heretofore described.

MEANDERS OF T.23 S., R. 23 E.

Land, broken.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, a few scattering cottonwoods.
Undergrowth, sagebrush and willows.

Thence with meanders of the right bank of the Colorado River, downstream in sec. 36.

Along broken rocky shore line, through dense undergrowth.

- S.28°45'E., 7.80 chs.
- S.3°00'E., 5.30 chs.
- S.13°00'W., 5.90 chs.
- S.5°00'E., 7.60 chs. At 1.00 ch. thence over solid surface sandstone.
- S.28°30'W., 6.50 chs. At 6.00 chs. Old Placer workings bears North 1.50 chs. dist.
- S.63°00'W., 11.50 chs. At 5.80 chs. leave surface rock thence along rocky shore line.
- S.42°00'W., 8.40 chs.
- S.47°00'W., 5.60 chs.
- S.30°00'W., 9.50 chs.
- S.45°30'W., 13.00 chs.
- N.78°15'W., 13.05 chs. The meander cor. of secs. 35 and 36, on the right bank of the Colorado River, heretofore described.

Land, broken.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, scattering cottonwood and boxelder.
Undergrowth, sagebrush and willows.

Thence with the meanders of the right bank of the Colorado River, downstream in sec. 35.

Along rocky shore line, through dense undergrowth.

- S.73°15'W., 19.80 chs.
- S.54°45'W., 11.50 chs. At end of course Old Placer workings.
- S.25°15'W., 7.10 chs. The meander corner of secs. 2 and 35 on the south bdy. on the right bank of the Colorado River, heretofore described.

MEANDERS OF T.23 S., R. 23 E.

Land, broken.

Soil, sandy and clay loam, with surface sandstone; 3rd rate.

Timber, scattering boxelder and cottonwoods.

Undergrowth, sagebrush and willows.

From the true point for the meander corner for secs. 13 and 19, on the E. bdy., which is N.0°03'W., 82 lks. dist. from the witness meander corner, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record.

Thence with the meanders of the left bank of the

Colorado River, down stream in sec. 13.

Along rocky shore line through dense undergrowth.

West, 6.54 chs.

At 6.00 chs. mouth of draw drains from SE.

S.73°30'W., 5.30 chs.

S.61°30'W., 4.20 chs.

The meander cor. of secs. 13 and 24, on the left bank of the Colorado River, heretofore described.

Land, broken.

Soil, sandy and clay loam with surface sandstone; 3rd rate.

Timber, none.

Undergrowth, willows and squaw berry.

Thence with the meanders of the left bank of the

Colorado River, downstream in sec. 24.

Along rocky shore line through dense undergrowth.

S.69°00'W., 3.81 chs.

S.53°15'W., 9.30 chs.

S.75°45'W., 15.60 chs. At 4.60 chs. mouth of small canyon, drains from SE.

N.85°00'W., 8.80 chs.

N.63°00'W., 8.20 chs.

N.46°15'W., 9.20 chs.

The meander cor. on the left bank of the Colorado River, bet. secs. 13 and 24, heretofore described.

Land, broken.

Soil, sandy and clay loam with surface sandstone; 3rd rate.

Timber, none.

Meanders of T. 23 S., R. 23 E.

Undergrowth, willows.

Thence with the meander of the left bank of the Colorado River in sec. 13, downstream.

Along rocky shore line through dense undergrowth.

N.31°00'W., 8.20 chs.

N.27°15'W., 17.00 chs.

N.22°15'W., 4.90 chs.

N.32°15'W., 2.82 chs.

The true point for the meander cor. bet. secs. 13 and 14, on the left bank of the Colorado River, heretofore described.

Land, broken.

Soil, sandy and clay loam with surface sandstone; 3rd rate.

Timber, none.

Undergrowth, willows.

Thence with the meanders of the left bank of the Colorado River downstream in sec. 14.

Along gravelly clay shore line, through dense undergrowth.

N.23°00'W., 4.10 chs.

N.33°45'W., 1.50 chs.

N.42°45'W., 7.70 chs.

At 3.20 chs. leave undergrowth and clay shore line. Thence over gravelly shore line.

N.76°30'W., 6.50 chs.

S.61°30'W., 6.70 chs.

S.36°45'W., 10.00 chs.

S.15°30'W., 12.00 chs.

S.12°00'E., 18.91 chs.

The meander cor. bet. secs. 14 and 23, on the left bank of the Colorado River, heretofore described.

Land, broken.

Soil, gravelly and clay loam; 3rd rate.

Timber, none.

Undergrowth, willows.

Thence with the meanders on the left bank of the Colorado river, downstream in sec. 23.

MEANDERS OF T. 23 S. R. 23 E.

Along rocky and gravelly shore line through medium growth of undergrowth.

S.7°30'E., 4.48 chs.

S.40°45'E., 12.30 chs.

S.29°30'E., 19.80 chs.

S.36°15'E., 4.30 chs.

S.30°30'E., 8.30 chs.

The true point for the meander cor. bet. secs. 23 and 24, on the left bank of the Colorado River, heretofore described.

Land, broken.

Soil, rocky and gravelly loam.

Timber, none.

Undergrowth, willows.

Thence with the meanders of the left bank of the Colorado River, in sec. 24, downstream.

Along rocky shore line through dense undergrowth.

S.20°30'E., 2.65 chs.

S.28°00'E., 5.30 chs.

S.11°30'E., 6.20 chs.

S.13°15'E., 6.00 chs.

S.16°00'E., 5.90 chs.

S.4°00'E., 5.30 chs.

S.16°30'E., 8.60 chs.

The meander cor. on the left bank of the Colorado River, bet. secs. 24 and 25, heretofore described.

Land, broken.

Soil, sandy loam with surface sandstone; 3rd rate.

Timber, none.

Undergrowth, willows.

Thence with the meanders of the left bank of the Colorado River downstream in sec. 25.

Along rocky shore line through dense undergrowth.

S.27°15'E., 3.94 chs.

S.12°45'E., 14.60 chs.

S.29°21'E., 6.25 chs.

S.30°00'E., 6.80 chs.

MEANDERS OF T.23 S., R. 23 E.

S.33°45'E., 6.80 chs.

S.51°45'E., 7.90 chs.

S.39°45'E., 7.50 chs.

S.44°15'E., 7.40 chs.

S.34°00'E., 13.00 chs.

S. 25°15'E., 14.70 chs.

S.45°00'E., 7.20 chs.

The meander cor. on the left bank of the Colorado River, bet. secs. 25 and 36, heretofore described.

Land, broken.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, willows.

Thence with the meanders on the left bank of the Colorado River in sec. 36 downstream.

Along rocky shore line through dense undergrowth.

S.3°45'E., 2.30 chs.

S.10°00'E., 5.30 chs.

S. 12°30'W., 21.77 chs. At 3.30 chs. mouth of draw drains from SE.
At 12.00 chs. mouth of draw, drains from SE.

S.24°30'E., 6.50 chs.

S.66°45'E., 11.50 chs.

S.37°30'E., 12.70 chs.

S.33°30'W., 23.50 chs. At 2.30 chs. mouth of draw, drains from SE.
At 15.10 chs. mouth of draw, drains from SE.

S.54°45'W., 5.40 chs.

S.89°30'W., 5.40 chs.

N.74°30'W., 9.90 chs. At 7.10 chs. mouth of draw, drains from SE.
At end of course the meander cor. on the left bank of the Colorado River, bet. secs. 35 and 36, heretofore described.

Land, broken.

Soil, sandy clay loam with surface sandstone; 3rd rate.

Timber, a few scattering cottonwoods.

Undergrowth, willows.

MEANDERS OF T. 23 S., R. 23 E.

Thence with the meanders on the left bank of the Colorado River, in sec. 35 downstream.

Along sloping shore line through dense undergrowth.

N. 85° 30' W., 9.20 chs.

S. 57° 30' W., 9.10 chs.

S. 42° 30' W., 7.35 chs.

S. 26° 45' W., 1.29 chs.

The meander cor. on the S. bdy., on the left bank of the Colorado River, bet. secs. 2 and 35, heretofore described.

Land, broken.

Soil, sandy clay loam; 3rd rate.

Timber, scattering cottonwoods.

Undergrowth, willows.

FINAL TEST OF SOLAR ATTACHMENT

Dec. 7th, 1930: On meridian established near the cor. of secs. 12 and 13 on the E. bdy.; at 9 a.m. app. t., I set off 38° 49' N on the lat. arc and 22° 32' 30" S. on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the Polaris meridian. At 3h 00m p.m. app. t. with lat. arc unchanged; I set off 22° 34' S. on the decl. arc; and repeat the test of the solar; the line of sight agrees with the Polaris meridian.

GENERAL DESCRIPTION

The land in township 23 south, range 23 east is rough and broken, forming the breaks of the Colorado River. The approximate elevation above sea level is 4,000 ft. along the river and 4,700 ft. on the bench land. The drainage and exposure of the south and west portions of the township is northeast into Yellow Jacket Canyon, which flows into the river in sec. 13. The drainage and exposure of the south and east portions of the township is west, directly into the river.

GENERAL DESCRIPTION

The soil is mostly sandy loam mixed with sandstone, with much exposed surface sandstone. Some clay loam can be found along the river banks.

The bench land is covered with a medium growth of juniper and pinon, and a few cottonwoods and box elders can be found along the river and in the bottom of Yellow Jacket Canyon. The timber has no commercial value except for firewood. A medium growth of sagebrush and black brush is found on the bench land. Willows and squaw berry brush are found along the river. The bench land has a fairly good growth of bunch grass, which furnishes good grazing with a reasonable amount of rainfall. The northwest portion of the township is locally known as Squaw Park. I estimate that about 25 head of cattle, and 25 head of horses graze over this township during the summer months. Approximately 1,000 head of sheep can be wintered in the township, while snow is available for stock water. The township shows overgrazing and erosion from the trailing of many sheep herds back and forth.

There are no settlers in the township. The only industry is raising livestock.

The nearest Post Office is Cisco, Utah, approximately 20 miles north.

There is no surface indication of minerals.

The Colorado River enters the township in the $SE\frac{1}{4}$ of sec. 13, and flows southwesterly, leaving the township in the $SE\frac{1}{4}$ of sec. 35.

Location of springs:

$NW\frac{1}{4}$ of sec. 8, in cave of sandstone, facing SE.

$NE\frac{1}{4}$ of sec. 7.

$SE\frac{1}{4}$ of sec. 11.

$SE\frac{1}{4}$ of sec. 10.

No magnetic declination was taken on account of defective needle.

The soil is mostly sandy loam mixed with sandstone, with much exposed surface sandstone. Some clay loam

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Page

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Chas. F. Moore, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for District No. 6 bearing date of the 23rd day of February, 1928 I have well, faithfully, and truthfully in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed and resurveyed all those parts or portions of T. 23. S., R. 23. E. of the Salt Lake Meridian, in the State of Utah, which are represented the foregoing field notes as having been executed by me, and under my direction; and that all the corners said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for District No. 6 and in the specific manner described in the field notes, and that the foregoing are the original field notes such survey.

Salt Lake City, Utah March 5 1932.

Chas. F. Moore
Chas. F. Moore
U.S. Surveyor.

APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,

Denver Colo. Nov. 15, 1932

The foregoing field notes of the survey ~~of~~ and resurvey of T. 23. S., R. 23. E.

Salt Lake Meridian, Utah.

executed by Chas. F. Moore

under his special instructions dated February 23rd, 1928, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved. Assignment instructions dated Oct. 1st. 1929.

Wm. H. B. B. B. B.
U.S. Supervisor of Surveys

I certify that the foregoing transcript of the field notes of the above described surveys in _____, has been correctly copied from the original notes on file in this office.

U.S. Supervisor of Surveys

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(April 1932)

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MAR 14 1932
Department Of The Interior
Public Survey Office
Salt Lake City Utah

FIELD NOTES

OF THE

DEPENDENT RESURVEY AND SURVEY OF SUBDIVISIONAL LINES

COMPLETING THE SUBDIVISION OF

TOWNSHIP 24 SOUTH, RANGE 23 EAST.

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Chas. F. Moore, U. S. Surveyor

Under special instructions dated February 23, 1928, which provided
for the surveys included under Group No. 190, bearing the approval of the
Commissioner of the General Land Office under date of April 25, 1928,
Supplemental
and assignment instructions dated September 18, 1931.

Survey commenced September 29, 1931

Survey completed October 16, 1931

INDEX DIAGRAM.

Township 24 South, Range 23 East.

22 6 2 0 5 19	21 9 4 5 3 17 8 6 3				
7 1 6 8 15 13 6	7 9 2 10			11	12
18 11 17 11	16 2 15			14	13
19	20	21	22	23	24
29	28	27	26	25	
31	32	33	34	35	36

T. 24 S., R. 23 E.

Survey commenced September 29, 1931, and was executed with Buff and Buff light mountain transit No. 9983; the instrument is equipped with full vertical circle and the Smith solar attachment; unless otherwise specified all the azimuth determinations are accomplished with the solar attachment. The instrument was in good condition, and having been placed in satisfactory adjustment prior to the beginning of the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer on Sept. 18th, 1931. I examined all the instrumental adjustments before making the field tests hereinafter recorded.

The measurements were made with Lallie steel tape, 8' chs. in length, graduated every link for the first 100 lks., and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position for the SE. cor. of the township as follows: Latitude $38^{\circ}40'N$, and longitude $109^{\circ}19'W$.

September 29, 1931, in camp near the $\frac{1}{4}$ sec. cor. for secs. 17 and 20, at 7h 11m l.m.t. p.m. I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground 10 chs. N. September 30th, 1931, 6 a.m. l.m.t., I lay off the azimuth of Polaris, $1^{\circ}22'$ and make a meridian mark on a second peg to the west of the mean point in the line determined by the observation.

Chains

Every 30 min. from 7 to 10:30 a.m. and from 1:30 to 5 p.m., I make the proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1'30".

I repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 24 S., R. 23

"Reestablishment of the surveys executed by E. Buettner U.S. Deputy Surveyor in 1880"

The cor. of secs. 15, 16, 21 and 22, T. 24 S., R. 23 E. which is a sandstone, 8 x 6 x 6 ins., above ground, firmly set, marked and witnessed as described in the official record.

Thence

North on retracement bet. secs. 15 and 16.

40.00 Record course and distance; after diligent search could find no trace of the orig. $\frac{1}{4}$ sec. cor. Continue on same line with continuous measurement.

53.31 Erect flag A for triangulation.

74.50 Mean high water mark on the left bank of the Colorado River, after diligent search no trace of the orig. meander cor. could be found.

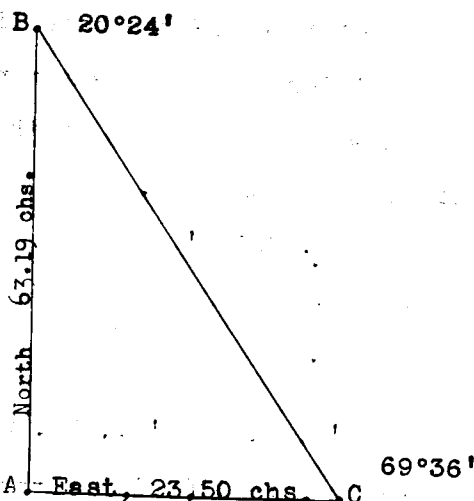
The line to the north crosses the Colorado River, over which chaining is impracticable. Therefore to determine the distance I return to the point A for triangulation and triangulate as follows:

Survey base line East, 23.50 chs. and erect flag C; set flag B on the north side of the river.

Angle subtended at C is 69°36'; angle subtended at B is 20°24'. The angles were determined by repetition and the bearing by deflection. The base line was doubled chained.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T.24S., R. 23 E.

Chains



Distance on line to A -----	53.31 chs.
Distance by triangulation A to B -----	63.19 chs.
Total distance on line to B -----	116.50 chs.
Distance by return measurement -----	11.50 chs.
	<u>105.00 chs.</u>

105.00 Mean high water mark on the right bank of the Colorado River; after diligent search no trace of the orig. meander cor. could be found.

Continue on same line with continuous measurement bet. secs. 9 and 10.

120.00 Record course and distance; could find no trace of the orig. $\frac{1}{4}$ sec. cor.

Continue on same line with continuous measurement.

160.00 Record course and distance; after diligent search no trace of the orig. cor. of secs. 3, 4, 9 and 10

could be found. Set temp. cor. point.

From the con. of secs. 2, 3, 10 and 11, which is a sandstone 8 x 6 x 4 ins. above ground, firmly set, properly marked and witnessed as described in the official record.

N.89°55'W., on retracement, bet. secs. 3 and 10.

11.50 At record course and distance; no trace of the meander^{cor.} could be found.

14.66 The line to the west crosses the Colorado River, and to determine the distance I triangulate as follows.

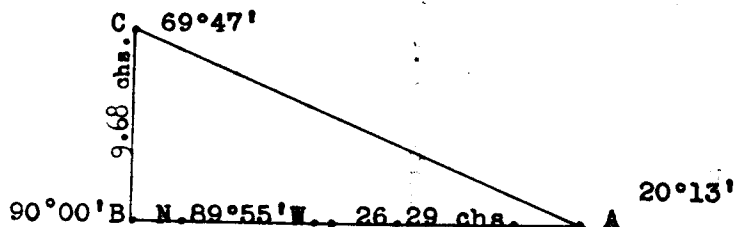
Erect flag A at this point and set flag B on right bank of the Colorado River. Set flag C northwesterly from A on the right bank of the river.

Chains

The mean distance of the base line BC is 9.68 chs.

with no difference in measurement.

The angles were determined by three repetitions with the error balanced to 180°.



Distance on line to point A	14.66 chs
Distance by triangulation A to B	26.29 chs
Total distance on line to B	40.95 chs
Distance by return measurement	95 chs
	40.00 chs

- orig.
- 34.63 Point for the meander cor. on right bank of the Colorado River falls in the river.
- 40.125 Record course and distance; after diligent search no trace of the orig. & sec. cor. could be found. This point also was the mean high water mark on the right bank of the Colorado River.
- Continue on same line with continuous measurement.
- 80.42 Intersect N. and S. line., 61 lks. N. of the temp. cor. of secs. 3, 4, 9 and 10.

I now restore the cor. of secs. 3, 4, 9 and 10, by proportionate measurement, at record distance N. 0°04' W. 160.00 chs. from the cor. of secs. 15, 16, 21 and 22, and at record distance, S. 89°59' W., 80.88 chs. from the cor. of secs. 2, 3, 10 and 11, which point falls 12 lks. west of the temp. cor. of secs. 3, 4, 9 and 10.

At restored point

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, with sandstone 8 x 8 x 4 ins. marked with cross and deposited at the base, and surrounded by mound of stone to the top, for the cor. of secs. 3, 4, 9 and 10, with brass cap.

1243 1252

8 4 8 3

8 9 8 10

1931

U.S. DEPARTMENT OF THE SUBDIVISION OF T.24 S., R. 23 E.

Chains

From the restored cor. of secs. 3, 4, 9 and 10, heretofore described.

North on random line bet. secs. 3 and 4.

40.00 Record course and distance; after diligent search no trace of the orig. $\frac{1}{4}$ sec. cor. could be found.

73.00 Record course and distance; after diligent search no trace of the orig. witness cor. for secs. 3, 4, 33 and 34, on the N. bdy. could be found.

Continue on same line with continuous measurement.

80.99 Intersect the S. bdy of T. 23 S., R. 23 E., 18 lks. W. of the cor. of secs. 3, 4, 33 and 34, which is an iron post, firmly set, properly mkd. and witnessed as described in the official record of T 23 S., R. 23 E., this group. Therefore the true bearing of the $N\frac{1}{2}$ mile between secs. 3 and 4, is $N.0^{\circ}15'E.$, 40.99 chs.

From the restored cor. of secs. 3, 4, 9 and 10, heretofore described.

North on true line bet. secs. 3 and 4.

Over broken bench land, through scattering undergrowth.

Descend 20 ft. over N. slope.

2.50 Bottom of draw, course E. Ascend 110 ft. over S. slope.

23.00 Top of spur, projects E. Descend 50 ft. over N. slope.

28.50 Bottom of draw, course E. Ascend 230 ft. over S. slope to top of spur.

40.00 At record course and distance

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and surrounded by mound of stone to the top, with sandstone 8 x 6 x 4 ins. mkd. X, deposited at the base, with brass cap mkd.

$\frac{1}{4}$
 S 4 | S 3
 1931

Thence

$N.0^{\circ}15'E.$, on true line with continuous measurement.

45.00 Top of spur, projects E. Descend N. slope 150 ft.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 24 N. R. 23 E.

Chains
 52.30 Bottom of draw, course SE. Ascend 830 ft. over S. slope.
 80.99 The cor. of secs. 3, 4, 33 and 34, on the W. bdy.,
 heretofore described.
 Land, broken bench; general drainage and exposure SE.
 Soil, sandy loam and surface sandstone; 3rd rate.
 Timber, none.
 Undergrowth, sagebrush and black brush.
 Grazing fair.

From the restored cor. of secs. 3, 4, 9 and 10, heretofore described.
 West, on true line bet. secs. 4 and 9.
 Over broken bench land, through scattering undergrowth.
 Ascend 10 ft. over E. slope.
 0.30 Top of spur, projects S. Descend 30 ft. over W. slope.
 2.30 Bottom of draw, course S. Ascend 40 ft. over E. slope.
 4.80 Top of spur, projects S. Descend 5 ft. over W. slope.
 14.90 Bottom of draw, course S. Ascend 220 ft. over SE. slope.
 39.00 Top of spur, projects SE.
 40.00 Record course and distance: No trace of the orig. cor.
 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in
 the ground to solid rock, with sandstone, 10 x 8 x 6 ins.
 mkd. X, deposited at the base and surrounded by mound of
 stone to the top, for the $\frac{1}{4}$ sec. cor., with brass
 cap mkd.

S. 4
 $\frac{1}{4}$ S 9
 1931

Land, broken bench; general drainage and exposure SE.
 Soil, sandy loam and surface sandstone; 3rd rate.
 Timber, none.
 Undergrowth, black brush and sagebrush.
 Fair grazing.

From the cor. of secs. 8, 9, 16 and 17, which is an
 iron post, 2 ins. diam., firmly set, properly mkd. and

DEPENDENT RESURVEY OF THE SUBDIVISION OF T.24 S., R. 23 E.

Chains

witnessed as described in the official record. I deface all marking on this post referring to secs. 8 and 17.

Thence

North, on true line on the W. bdy of sec. 9.

Over broken bench land, through scattering undergrowth.

0.59 Point for the closing cor. for secs. 8 and 17, hereinafter described.

0.75 Bottom of draw, course E. Ascend 360 ft. over SE. slope.

33.90 Top of spur, projects E. Descend 60 ft. over N. slope.

36.20 Bottom of draw, course E. Ascend 60 ft. over S. slope.

40.00 Record course and distance: No trace of the orig. $\frac{1}{4}$ sec. cor. could be found.

Set an iron post, 3 ft. long, 1 in. dia., over X cut in solid surface sandstone, 30 ins. in large mound of stone for the $\frac{1}{4}$ sec. cor., for sec. 9 only, with brass cap mkd.

$\frac{1}{4}$

S 9

1931

Land, broken bench; general drainage and exposure SE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush and sagebrush.

Fair grazing.

SUBDIVISION OF T.24 S., R. 23 E.

From the $\frac{1}{4}$ sec. cor. for sec. 9 only, heretofore described.

North on true line on the W. bdy of sec. 9

Over broken bench land, through scattering undergrowth.

0.655 Point midway bet. the closing cors. for secs. 8 and 17, 5 and 8, hereinafter described.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, with sandstone 9 x 9 x 6 ins. mkd. X, deposited at the base, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 8 only with brass cap mkd.

SUBDIVISION OF T.24N. R.23E. S.4

Chains

Chains

- 1931
- 2.80 Top of spur, projects E. Descend N. slope 130 ft.
- 13.20 Bottom of draw, course E. Ascend S. slope 180 ft.
- 21.50 Top of spur, projects E. Descend N. slope 180 ft.
- 23.20 Bottom of draw, course E. Ascend 150 ft. over S. slope.
- 39.44 At intersection with line run west from the $\frac{1}{4}$ sec. cor. for secs. 4 and 9.
- Set an iron post, 3 ft. long, 2 in. diam., over X cut in solid surface sandstone; and surrounded by mound of stone to the top, for the cor. of secs. 4 and 9; with brass cap mkd.

T24S
S 4
S.8
S 9
R23E
1931

Land, broken bench; general drainage and exposure SE.

Soil; sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush and sagebrush.

Fair grazing.

From the $\frac{1}{4}$ sec. cor., for secs. 4 and 9, heretofore described.

West, on true line bet. secs. 4 and 9.

Over broken bench land, through scattering undergrowth. Descend 110 ft. over SW slope.

- 10.80 Bottom of draw, course SE. Ascend 80 ft. over NE. slope.
- 13.50 Top of spur, projects SE. Descend 80 ft. over SW. slope.
- 26.80 Bottom of draw, course SE. Ascend 230 ft. over E. slope.
- 40.97 The cor. of secs. 4 and 9, heretofore described.

Land, broken bench; general drainage and exposure SE.

Soil; sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush and sagebrush.

Fair grazing.

SUBDIVISION OF T.24 S., R. 23 E.

Chains

North on true line on the W. bdy of sec. 4.

Over broken bench land through scattering undergrowth.

0.56 Set point A for triangulation.

1.28 Point for the closing cor. of secs. 5 and 8, hereinafter described.

The line to the north ascends over vertical sandstone rim, over which chaining is impracticable, therefore to determine the distance I return to point A set for triangulation and triangulate as follows:

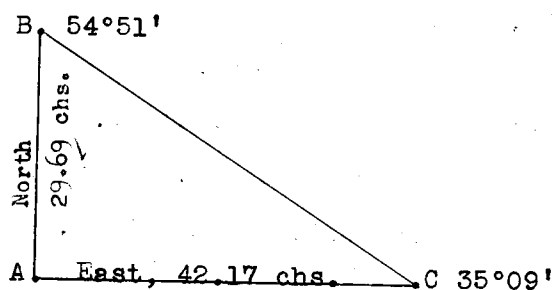
Erect flag B on line to the north on top of rim, and survey base line East, 42.17 chs., and erect flag C.

The angle subtended at C is $35^{\circ}09'$ and the angle

subtended at B is $54^{\circ}51'$. The base line was double

chained and the angles were determined by three

repetitions. The vertical angle from A to B is plus $28\frac{1}{2}^{\circ}$.



Distance on line to point A-----0.56 chs.
Distance by triangulation A to B-----29.69 chs.
Total distance on line to point B-----30.25 chs.

30.25 Point B of triangulation on top of sandstone rim, 400 and 1065 ft. above A, ft. high, bearing NE. and SW. Enter dense timber, bearing NE. and SW. Ascend 70 ft. over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface sandstone, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 4 only with brass cap mkd.

$\frac{1}{4}$

S 4

1931

from which

A pinon, 6 ins. diam., bears $N.31^{\circ}00'E.$, 74 lks.

dist., mkd $\frac{1}{4}$ S 4 B T.

SUBDIVISION OF T. 24 S., R. 23 E.

Chains	<p>A pinon, 10 ins. diam., bears S. 65° 30' E., 78 lks. dist., mkd. $\frac{1}{4}$ S 4 B T.</p>
41.28	<p>At 40.00 chs. northing from the closing cor. of secs. 5 and 8. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor. for sec. 5 only, with brass cap mkd.</p> <div><div>$\frac{1}{4}$</div><div>S 5</div><div>1931</div></div> <p>from which</p> <p>A pinon, 6 ins. diam., bears S. 12° 15' W., 102 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.</p> <p>A pinon, 8 ins. diam., bears N. 54° 00' W., 87 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.</p> <p>Ascend 70 ft. over SE slope.</p>
81.13	<p>Intersect the S. bdy. of T. 23 S., R. 23 E., N. 89° 53' W., 1.19 chs. dist. from the cor. of secs. 32 and 33, which is an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record of T. 23 S., R. 23 E., this group.</p> <p>At point of intersection</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the closing cor. of secs. 4 and 5, with brass cap mkd.</p> <div><div>T23S R23E</div><div>S 32</div><div>S 5 S 4</div><div>T24S R23E</div><div>C C</div><div>1931</div></div> <p>from which</p> <p>A pinon, 8 ins. diam., bears S. 31° 15' E., 114 lks. dist., mkd. T 24 S R 23 E S 4 C C B T.</p> <p>A pinon, 3 ins. diam., bears S. 38° 30' W., 215 lks. dist., mkd. B T.</p> <p>Land, broken bench; general drainage and exposure S. Soil, sandy loam and surface sandstone; 3rd rate.</p>

SUBDIVISION OF T.24 S. R. 23 E.

Chains

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

From the $\frac{1}{4}$ sec. cor., for secs. 18 and 19, which is an iron post, 1 in. in diam., firmly set, properly mkd. and witnessed as described in the official record.

West on random line bet. secs. 18 and 19.

38.98 Intersect the W. bdy., 9 lks. S. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, 2 ins. in diam., properly mkd, firmly set and witnessed as described in the official record of T.24 S., R.22 E., this group.
Thence S.89°52'E., on true line bet. secs. 18 and 19.

Over very rough and broken bench land, through scattering undergrowth.

Descend 80 ft. over E. slope.

5.90 Bottom of draw, course S. Ascend 350 ft. over SW. slope.

22.60 Top of spur, projects SE. Descend 500 ft. over NE. slope.

38.98 The $\frac{1}{4}$ sec. cor. for secs. 18 and 19.

Land, broken bench; general drainage and exposure S.

Soil, sandy loam and sandstone surface rock; 3rd rate.

Timber, none.

Undergrowth, sagebrush.

Poor grazing.

From the cor. of secs. 17, 18, 19 and 20, which is an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

N.0°04'W., on true line bet. secs. 17 and 18.

Over broken bench land, through scattering undergrowth.

Descend 20 ft. over N. slope.

2.90 Bottom of draw, course E. Ascend 190 ft. over S. slope.

17.80 Top of spur, projects SE. Descend 90 ft. over NE. slope.

21.60 Bottom of draw, course SE. Ascend 460 ft. over broken SW. slope to $\frac{1}{4}$ sec. cor.

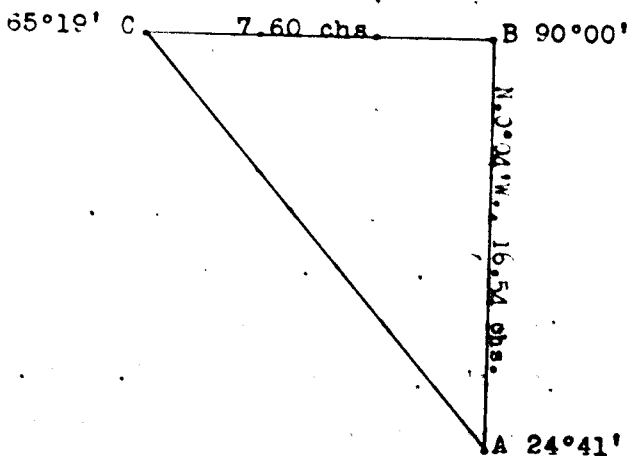
Chains

- 23.00 Bottom of same draw, course SW,
33.70 Bottom of same draw, course SE.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, to solid rock, with sandstone 12x 10 x 9 ins mkd. X, deposited at the base, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 18 | S 17
 1931

The line to the north, ascends over vertical sandstone rim and precipitous slope, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at the $\frac{1}{4}$ sec. cor., and set flag B on line to the north on top of sandstone rim; also set flag C northwesterly from A on top of rim. The mean distance of the base line BC is 7.60 chs. with no difference in measurement of two set of chainmen. The angles were determined by three repetitions with the error balanced to 180°. The vertical angle from A to B is plus 45°.



Angle at point A is 24°41'
Angle at point B is 90°00'
Angle at point C is 65°19'

Distance on line to point A ----- 40.00 chs.
Distance by triangulation A to B ----- 16.54 chs.
Total distance on line to point B ----- 56.54 chs.

56.54

Point B of triangulation, on top of sandstone rim, 400 and 1090 ft. above A, ft. high, bears E. and W. Enter dense timber bearing

SUBDIVISION OF T. 24 S., R. 23 E.

Chains

E. and W. Ascend S. slope 30 ft.

72.40 Top of ridge, bears E. and W. Descend N. slope 70 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, and surrounded by mound of stone to the top, for the cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

T24S R23E	
S 7	S 8
<hr/>	
S18	S17
1931	

from which

A pinon, 10 ins. diam., bears N. $47^{\circ}00'E.$, 43 lks. dist., mkd. T 24 S R 23 E S 8 B T.

A pinon, 8 ins. diam., bears S. $30^{\circ}30'E.$, 40 lks. dist., mkd. T 24 S R 23 E S 17 B T.

A pinon, 8 ins. diam., bears S. $51^{\circ}45'W.$, 54 lks. dist., mkd. T 24 S R 23 E S 18 B T.

A pinon, 6 ins. diam., bears N. $72^{\circ}00'W.$, 154 lks. dist., mkd. T 24 S R 23 E S 7 B T.

Land, broken bench; general drainage and exposure S..

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

East on true line bet. secs. 8 and 17.

Over broken bench land, through scattering undergrowth and dense timber.

Ascend 60 ft. over W. slope.

24.00 Top of ridge, bears N. and S. Descend 15 ft. over E. slope.

25.10 Rim of mesa, 400 ft. high, bears N. and S., and leave timber.

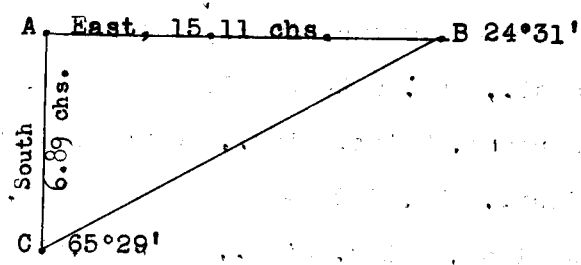
The line to the east descends over vertical sandstone rim and precipitous slope over which chaining is impracticable. Therefore to determine the distance

I triangulate as follows:

SUBDIVISION OF T.24 S.17 R. 23 E.

Chains

Erect flag A at this point and set flag B to the east on line, and survey base line South, 6.89 chs. the mean distance of two sets of chainman by 1st set is 6.891 chs. by 2nd set is 6.889 chs. and set flag C. The angle subtended at C is 65°29'; the angle subtended at B is 24°31'. The angles were determined by three repetitions with the error balanced to 180°. The bearings were determined by deflection. The vertical angle from A to B is -46°.



Distance on line to point A-----25.10 chs.
Distance by triangulation A to B-----15.11 chs.
Total distance on line to B-----40.21 chs.
Distance by return measurement-----.21 chs.
40.00 chs.

40.00

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface sandstone, and surrounded by mound of stone to the top, for the 1/4 sec. cor., with brass cap mkd.

S 8
1/4 S 17
1931

Continue descent of 790 ft. over steep E. slope.

40.21

Point B of triangulation, 1033 ft. below point A.

61.40

Bottom of draw, course SE.

64.10

Top of spur, projects SE.

77.89

Intersect the W. bdy of sec. 9, North, .59 chs. from the cor. of secs. 9 and 16, heretofore described.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the closing cor. of secs. 8 and 17, with brass cap mkd.

SUBDIVISION OF T.24 S. R. 23 E.

Chains

	T24S	
C	S 8	
C	S17	S 9
	R23E	
	1931	

and raise mound

of stone 3 ft. base, 2 ft. high, W. of the cor.

Land, broken bench; general drainage and exposure SE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

From the cor. of secs. 7, 8, 17 and 18, heretofore described.

West on random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.80 Intersect the W. bdy., 33 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, 2 ins. diam., firmly set, properly marked and witnessed as described in the official record.

Thence

S.89°46'E., on true line bet. secs. 7 and 18.

Over broken bench land, through dense timber and scattering undergrowth.

Ascend 70 ft. over W. slope.

22.40 Top of spur, projects N. Descend 40 ft. over N. slope.

38.80 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

	S 7
$\frac{1}{4}$	—
	S 18
	1931

from which

A pinon, 8 ins. diam., bears S.12°15'W., 67 lks.

dist., mkd. $\frac{1}{4}$ S 18 B T.

A pinon, 10 ins. diam., bears N.82°00'W., 148 lks.

dist., mkd. $\frac{1}{4}$ S 7 B T.

SUBDIVISION OF T. 24 S., R. 23 E.

Chains	
	Descend 40 ft. over E. slope.
47.10	Bottom of draw, course N. Ascend 170 ft. over NW. slope.
78.80	The cor. of secs. 7, 8, 17 and 18.
	Land, broken bench; general drainage and exposure N.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and pinon.
	Undergrowth, sagebrush and black brush.
	Fair grazing.
	N. 0° 04' W., bet. secs. 7 and 8.
	Over broken bench land, through scattering undergrowth, and heavy timber.
	Descend 120 ft. over N. slope.
20.00	Bottom of draw, course W. Ascend 10 ft. over S. slope.
26.00	Top of spur, projects W. Descend 40 ft. over N. slope.
33.60	Bottom of draw, course W. Ascend 60 ft. over S. slope, to top of spur.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \text{S } 7 \quad \quad \text{S } 8 \\ 1931 \end{array}$
	from which .
	A juniper 8 ins. diam., bears N. 89° 30' E., 41 lks. dist., mkd. $\frac{1}{4}$ S 8 B T.
	A juniper 8 ins. diam., bears S. 57° 15' W., 31 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.
	Continue ascent.
58.90	Top of spur, projects W. Descend 60 ft. over N. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the cor. of secs. 5, 6, 7 and 8 with brass cap mkd.

SUBDIVISION OF T. 24 S., R. 23 E.

Chains

T24S R23E

S 6 S 5

S 7 S 8

1931

from which

A juniper 6 ins. diam., bears N.46°15'E., 97 lks.

dist., mkd. T 24 S R 23 E S 5 B T.

A pinon, 8 ins. diam., bears N.48°00'W., 136 lks.

dist., mkd. T 24 S R 23 E S 6 B T.

A juniper 3 ins. diam., bears S.8°45'E., 95 lks.

dist., mkd. B T.

A juniper 3 ins. diam., bears S.20°30'W., 13 lks.

dist., mkd. B T.

Land, broken bench; general drainage and exposure W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

East, on true line bet. secs. 5 and 8.

Over broken bench land, through scattering timber and medium growth of undergrowth.

Ascend 20 ft. over W. slope.

33.20 Top of ridge, bears NW. and SE. Descend 160 ft. over NE. slope to top of rim.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 5

 $\frac{1}{4}$

S 8

1931

from which

A pinon, 10 ins. diam., bears N.88°45'E., 100 lks.

dist., mkd. $\frac{1}{4}$ S 5 B T.

A pinon, 8 ins. diam., bears S.30°15'E., 49 lks.

dist., mkd. $\frac{1}{4}$ S 8 B T.

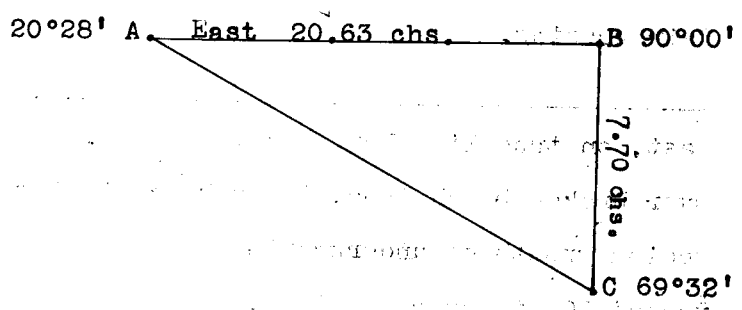
Continue descent over NE. slope.

SUBDIVISION OF T. 24 S., R. 23 E.

Chains

51.30 Sandstone rim, 20 ft. high, bears NW. and SE. Continue descent. Leave timber bearing NW. and SE.

57.32 Top of vertical sandstone rim, 400 ft. high, bears NW. and SE. The line to the east descends over vertical sandstone rim and precipitous slope over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:
Erect flag A at this point, and set flag B on line bdy of sec. 4, also set flag C southeasterly from A on the W. bdy of sec. 9. The mean distance of the base line BC is 7.70 chs. with no difference in the measurement of two sets of chainmen. The angles were determined by three repetitions with the error balanced to 180°. The vertical angle of the line AB is 30 1/4° minus.



Angle at point A is 20°28'
Angle at point B is 90°00'
Angle at point C is 69°32'

Distance on line to point A ----- 57.32 chs.
Distance by triangulation A to B ----- 20.63 chs.
Total distance on line to point B ----- 77.95 chs.

77.95

Point B of triangulation. Intersect the W. bdy of sec. 4, North, 1.28 chs. distant from the cor. of secs. 4 and 9, heretofore described, 795 ft. below A.

At point of intersection
Set an iron post, 3 ft. long, 2 in. diam., 12 ins. in the ground to solid rock, with sandstone 10 x 6 x 4 in. mkd. X, deposited at the base, and surrounded by mound of stone to the top, for the closing cor. of secs. 5 and 8, with brass cap mkd.

SUBDIVISION OF T.24 S., R. 23 E.

Chains

T24S R23E

C S 5

S 4

C S 8

1931

Land, broken bench; general drainage and exposure SE. and W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

From the cor. of secs. 5, 6, 7 and 8, heretofore described.

N.89°46'W., on random line bet. secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.58 Intersect the W. bdy., at the cor. of secs. 1, 6, 7 and 12, which is an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record of T. 24 S., R. 22 E., this group.

Thence

S.89°46'E., on true line bet. secs. 6 and 7.

Over broken bench land, through heavy timber and scattering undergrowth.

Ascend 40 ft. over SE. slope.

6.20 Top of spur, projects NW. Descend 10 ft. over NE. slope.

10.70 Bottom of draw, course NW. Ascend 90 ft. over SW. slope.

19.80 Top of spur, projects NW. Descend over NE. slope.

27.40 Bottom of draw, course NW. Ascend 45 ft.

38.58 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 6
 $\frac{1}{4}$
S 7
1931

from which

A pinon, 8 ins. diam., bears N.34°00'E., 360 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.

A juniper 7 ins. diam., bears S.20°15'W., 203 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.

Ascend 35 ft. over W. slope to sec. cor.

SUBDIVISION OF T.24 S., R. 23 E.

Beland

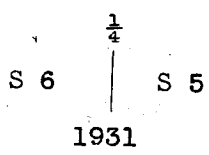
Chains

51.10 Leave dense timber and enter scattering timber bearing N. and S.

78.58 The cor. of secs. 5, 6, 7, and 8.
Land, broken bench; general drainage and exposure NW.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, sagebrush and black brush.
Fair grazing.

N.0°04'W., on true line bet. secs. 5 and 6.
Over broken bench land, through medium growth of timber and scattering undergrowth.

Ascend 20 ft. over S. slope, to top of spur.
1.00 Head of draw, course NW.
4.60 Top of spur, projects W. Descend 210 ft. over N.slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.



from which

A juniper 10 ins. diam., bears N.24°30'E., 55 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.

A pinon, 6 ins. diam., bears S.65°00'W., 44 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.

45.60 Bottom of draw, course W. Ascend 30 ft. over S. slope.
54.30 Top of spur, projects W. Descend 50 ft. over N. slope.
56.30 Bottom of draw, course W. Ascend 60 ft. over S. slope.
70.10 Top of spur, projects SW. Descend 40 ft. over NW.slope.
80.08 Intersect the S. bdy of sec. 32, T. 23 S., R. 23 E., S.89°53'E., 80 lks. from the cor. of secs. 31 and 32, which is an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record of T. 23 S., R. 23 E., this group

At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in

SUBDIVISION OF T.24 S., R. 23 E.

Chains

the ground, for the closing cor. of secs. 5, and 6,
with brass cap mkd.

T24S R23E

S 32

S 6 S 5

T24S R23E

C C

1931

from which

A juniper 8 ins. diam., bears S.20°00'E., 116 lks.
dist., mkd. T 24 S R 23 E S 5 C C B T.

A juniper 6 ins. diam., bears S.51°30'W., 373 lks.
dist., mkd. T 24 S R 23 E S 6 C C B T.

Land, broken bench; general drainage and exposure W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and black brush.

Fair grazing.

ESTABLISHMENT OF $\frac{1}{4}$ SEC. COR. ON THE N. BDY. OF T.24S., R23 E.

The $\frac{1}{4}$ sec. cor. for sec. 32, T. 23 S., R. 23 E., which
is an iron post, 1 in. diam., firmly set, properly mkd.
and witnessed as described in the official record.

S.89°53'E., 80 lks. dist., to a point 40.00 chs.

easting from the closing cor. of secs. 5 and 6, T. 24 S.,
R. 23 E., heretofore described.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in
the ground to solid rock, and surrounded by mound of
stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 5 only
with brass cap mkd.

 $\frac{1}{4}$ S 5

1931

from which

A pinon, 6 ins. diam., bears S.43°00'E., 60 lks.
dist., mkd. $\frac{1}{4}$ S 5 B T.

A pinon, 4 ins. diam., bears S.77°00'W., 43 lks.
dist., mkd. $\frac{1}{4}$ S 5 B T.

Chains

The $\frac{1}{4}$ sec. cor., for sec. 31, T. 23 S., R. 23 E., which is an iron post, 1 in. diam., firmly set, properly mkd. and witnessed as described in the official record.

S. 89° 53' E., 80 lks. dist., to a point 40.00 chs. westing from the closing cor. of secs. 5 and 6, T. 24 S., R. 23 E., heretofore described.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 6 only, with brass cap mkd.

$\frac{1}{4}$ S 6
1931

from which

A juniper, 6 ins. diam., bears S. 75° 00' E., 40 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.

A pinon, 14 ins. diam., bears S. 22° 00' W., 46 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.

FINAL TEST OF INSTRUMENTS.

October 18, 1931: In my camp near the $\frac{1}{4}$ cor. for secs. 17 and 20, at 9h 0m ^{a.m.}/app.t., I set off 38° 42' N on the lat. arc; 9° 24' S on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 3h 0m p.m. app.t., I set off 38° 42' N. on the lat. arc; 9° 30' S. on the decl. arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

GENERAL DESCRIPTION

The land embraced in the portion of T. 24 S., R. 23 E., under the present survey, is very rough and broken, forming the breaks of the Colorado River.

The bench land, lying above the sandstone rim, is approximately 5,000 ft. above sea level, with a north-west drainage and exposure. The bench is covered with a growth of juniper and pinon timber of no commercial

GENERAL DESCRIPTION

value except for firewood and fence posts. The undergrowth is a scattering growth of sagebrush and black brush, with a sparse growth of bunch grass, suitable for winter grazing of livestock when snow is available for stock water. The soil is a loose sandy loam mixed with much exposed surface sandstone. The land below the rim, is mostly steep slopes covered with scattering sagebrush, black brush and bunch grass. The slopes are mostly too steep for grazing of livestock.

I estimate that approximately 25 percent of the portion of the township under survey is inaccessible to livestock.

There are no settlers in the township, and the nearest post office is Cisco Utah, approximately 25 miles northeasterly.

There was no surface indication of mineral.

There was no living water in this portion of the township.

The magnetic declination was not taken on account of defective needle.

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Page

BOOK A-510

4-680
(August, 1926)

FIELD ASSISTANTS.

[illegible]

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Chas. F. Moore, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for District No. 6 bearing date of the Feb. 23rd day of February, 1928, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed and resurveyed all those parts or portions of T. 24 S., R. 23 E.

_____ of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for District No. 6 and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. Salt Lake City, Utah
March 10, 1932

Chas. F. Moore
Chas. F. Moore
U.S. Surveyor.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver Colo. JUN 23 1932, 19

The foregoing field notes of the survey of and resurvey of the subdivision of
T. 24 S., R. 23 E.

executed by Chas. F. Moore under his special instructions dated Feb. 23rd, 1928, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wm. A. Dymon

U. S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

U. S. Supervisor of Surveys.

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RECEIVED
APR 25 1931
Department Of The Interior
Public Survey Office
Salt Lake City, Utah

BOOK A-510

B

FIELD NOTES

OF THE ~~SURVEY OF THE~~

INDEPENDENT RESURVEY

OF THE

WEST 3 MILES OF THE NORTH BOUNDARY.

DEPENDENT RESURVEY

OF A

PORTION OF THE SUBDIVISION.

SURVEY

OF A

PORTION OF THE SUBDIVISION.

T.40 S., R. 21 E.

Of the SALT LAKE BASE AND Meridian,

In the State of UTAH

EXECUTED BY

CHAS. F. MOORE AND ROBERT C. YUNDT,

In the capacity of U. S. Surveyor 2, under Special Instructions dated Nov. 22,
1927, issued by the District Cadastral Engineer to govern surveys included in Group
No. 193, which were approved by the Commissioner of the General Land
Office, Dec. 14, 1927, and Assignment Instructions dated Dec. 15, 1928

Survey commenced February 27, 1929Survey completed March 17, 1929

INDEX DIAGRAM.

Township 40 SOUTH, Range 21 EAST

5	4	3			
6	26	5	16	4	
25		24	16		
7	23	8	15	9	
22		21	13		
18	20	17	12	16	
19		10			
19	8	20	21	22	23
18					24
30	7	29	28	27	26
17					25
31	6	32	33	34	35
					36

T.40 S.. R. 21 E..

DATE DIAGRAM

	3/11/29	3/9/29	3/8/29
6	3/13/29	5	3/7/29
3/12-13/29	3/12/29	3/7/29	
7	3/12/29	8	3/6-7/29
3/12/29	3/11/29	3/6/29	9
18	3/11/29	17	3/6/29
3/11/29	3/4/29		16
19	3/4/29	20	
2/2/29			
20	3/2/29	29	
2/2/29			
31	3/2/29	32	

Lines in black surveyed by Chas. F. Moore, U.S. Surveyor.
 Line in red surveyed by Robert C. Yundt, U.S. Surveyor.

T.40 S., R. 21 E.

The survey of township 40 south, range 21 east, was executed with light mountain transits made by Buff and Buff, Serial Nos. 9983 and 9797 used by Chas. F. Moore and Robert C. Yundt, respectively.

Township 40 south, range 21 east, was surveyed in conjunction with township 40 south, range 20 east, of this group. For full description and tests of instrument and method of measurements, see the tests and description given at the beginning of the survey of township 40 south range 20 east.

We repeat the tests of the arcs daily by noon observations, and verify the meridional indications at frequent intervals through out the survey.

Chains

INDEPENDENT RESURVEY OF NORTH BOUNDARY OF T.40 S., R. 21 E.

Superseding resurvey executed by Page and Lentz, U.S. Deputy Surveyors, in 1899.

We commence the resurvey at the corner of secs. 3, 4, 33, and 34 on the N. bdy., which is a sandstone, 18x8x6 ins., extending 10 ins. above ground, mkd. with 3 notches on the east and west edges.

At point for the corner

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 3, 4, 33, and 34, with brass cap mkd.

T398 R21E
S33 | S34

S 4 | S 3

T 40 S

1929

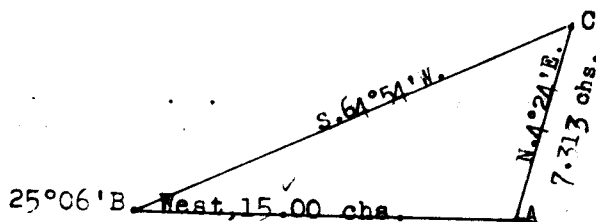
of stone, 3 ft. high, 4 ft. base, W. of the cor. raise mound

West on random line, setting temp. $\frac{1}{4}$ sec. and sec. cors. along the line bet. Tps. 39 and 40 S., R. 21 E.

65.00

The line to the west crosses deep box canyon, with vertical rims and inaccessible slopes over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at this point and set flag B on line to the west, from A measure base line N. $4^{\circ}24'E.$, 7.313 chs. dist., and erect flag C; from which flag B bears S. $64^{\circ}54'W.$, The angle subtended at B is $25^{\circ}06'$. All angles are determined by three repetitions and the bearings checked by deflection. The vertical angle from A to B is plus 1° .



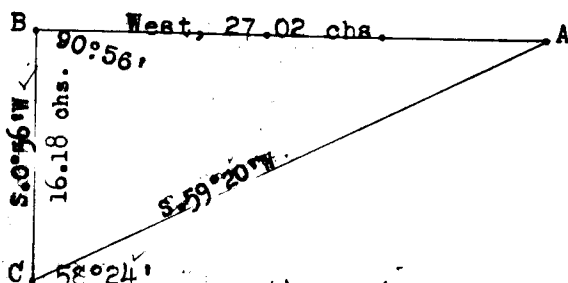
Distance on line to A-----	65.00 chs.
Distance by triangulation A to B-----	15.00 ✓ "
Total distance on line to B-----	80.00 "

Chains

80.00 Point B of triangulation.

212.63 Top of Comb Reef, which is a sandstone rim, 250 ft. high over which chaining is impracticable, therefore to determine the distance I triangulate as follows:

Erect flag A at this point and set flag B on line to the west, also flag C bears $S. 59^{\circ} 24' W.$ From B measure base line BC $S. 89^{\circ} 54' W. 16.18$ chs. dist., the angle subtended at C is $58^{\circ} 24'$; the angles were determined by three repetitions and the bearing were checked by deflection. The vertical angle from A to B is minus 25° .



Total distance on line to A-----212.63 chs.
Distance by triangulation A to B-----27.02 "
Total distance on line to B-----239.65 "

239.65 Intersect the W. bdy., 42 lks. north of the corner of Tps. 39 and 40 S., Rs. 20 and 21 E., which is an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record of T. 40 S., R. 20 E. The correction is 14 lks. S. per mile counting from the point of beginning.

Thence

$S. 89^{\circ} 54' W.$, on true line, bet. secs. 4 and 33.

Ascend 25 ft. over SE. slope, through very scattering timber and scattering undergrowth.

3.40 Top of sandstone spur, slopes NE.; descend gradually over broken W. slope.

24.00 Bottom of small draw, course NE.; ascend

26.30 Top of sandstone spur, slopes NE.; descend 15 ft.

28.90 Bottom of draw, course NE.; ascend 55 ft. over SE. slope.

38.40 Top of divide, bears NE. and $S. 60^{\circ} W.$, gradual descent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, and deposit broken glass and 1 quart of charcoal at base, with brass cap mkd.

S. 33

S. 4

1929

No other suitable accessories available.

After diligent search no trace of the orig. cor. could be found.

Descend 75 ft. over NW. slope.

54.50 Bottom of draw, course SW.; ascend 25 ft. over E. slope.

INDEPENDENT RESURVEY OF NORTH BOUNDARY T.40 S., R.21 E.

Chains	
65.00	Top of spur, slopes SW.; descend
66.00	Sandstone rim, 100 ft. high, bears NE. and SW.; descend over precipitous W. slope.
70.10	Approximate distance to Bottom of canyon, course SE.
74.30	Sandstone rim, 100 ft. high, bears NE. and SW.
80.00	Set an iron post, 10 ins. long, 2 ins. diam., 29 ins. in a hole drilled into the solid sandstone, for the cor. of secs. 4, 5, 32 and 33, with brass cap mkd.
	<div style="text-align: center;"> T398 R21E S32 S33 S 5 S 4 T40S 1928 </div>
	from which
	A juniper, 3 ins. diam., bears N.56°00'E., 76 lks. dist., mkd. B.T.
	A juniper, 3 ins. diam., bears S.25°45'E., 240 lks. dist., mkd. B.T.
	No other suitable accessories available.
	Land, broken bench; general drainage and exposure SW. & NE.
	Soil, shallow sandy loam and surface sandstone; 3rd rate.
	Timber, very scattering juniper.
	Undergrowth, black brush and mountain rush.
	Fair grazing land.
	Independent resurvey superseding survey executed by Augustus D. Ferron, U.S. Deputy Surveyor, in 1884.
	S.89°54'W. on true line bet. secs. 5 and 32.
	Ascend 40 ft. over E. slope, through scattering timber and undergrowth.
2.80	The cor. of secs. 4, 5, 32 and 33, set by Page and Lentz in 1899, which is a cross cut in the solid sandstone with 4 notches cut to the east and two notches cut to the west, and a mound of stone to the west. I destroy all evidence of this corner.
5.85	Top of rocky spur, slopes S.20°00'W.; descend 295 ft. over broken W. slope, to bottom of Butler Wash.
9.20	Top of sandstone rim, 100 ft. high, bears N. and S.
20.96	N.15°48'W., 1.70 chs. dist., is the cor. of secs. 4, 5, 32 and 33, which is a red sandstone, 16x12x8 ins. mkd. 4 notches on the east and 2 notches on the west, and set 4 ins. in the ground by Augustus Ferron. I destroy all evidence of this cor.
21.00	Top of sandstone spur, slopes SW.
38.50	Bottom of Butler Wash., stream of water, 3 lks. wide, course SW.

INDEPENDENT RESURVEY OF THE NORTH BOUNDARY T.40 S., R.21 E.

Chains
40.00 Point for the $\frac{1}{4}$ sec. cor., falls on cut bank, where it is impracticable to set permanent cor.
No trace of the orig. $\frac{1}{4}$ sec. cor. could be found.

47.23 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, and deposit broken glass at the base, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ $\frac{S\ 5}{S\ 32}$ WC
1929

No other suitable accessories available.
Ascend 115 ft. over broken E. slope, to sec. cor.

68.70 Bottom of small draw, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the cor. of secs., 5, 6, 31 and 32, with brass cap mkd.

T39S R21E
S31 S32
S 6 S 5
T40S
1929

from which

A juniper, 3 ins. diam., bears N.60°45'E., 129 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears S.62°30'E., 270 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears S.12°00'W., 215 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears N.78°00'W., 168 lks. dist., mkd. B T.

No trace of the orig. sec. cor., could be found.
Land, broken bench; general drainage and exposure SE.
Soil, shallow sandy loam and surface sandstone; 3rd rate.
Timber, scattering juniper .
Undergrowth, black brush and sagebrush.
Fair grazing land.

S.89°54'W., on true line bet. secs. 6 and 31.

Ascend 440 ft. over broken E. slope, through scattering timber and undergrowth.

35.50 Sandstone rim, 100 ft. high, bears N.80°E. and S.80°W.

40.00 Set an iron post, 1 ft. long, 1 in. diam., 10 ins. in a hole, drilled in the solid sandstone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

INDEPENDENT RESURVEY FO THE NORTH BOUNDARY OF T.40 S., R.

Chains

S. 31°

S. 6

1929

from which

A juniper, 3 ins. diam., bears N. 61° 00' W., 22 lks. dist., mkd. B T.

No other suitable accessories available.

After diligent search no trace of the orig $\frac{1}{4}$ sec. cor. could be found.

Ascend 175 ft. over NE. slope.

52.63 Comb Reef, a sandstone rim, 250 ft. high, bears N. and S. and faces W. Descend over vertical rim and precipitous slope.

79.65 The cor. of Tps. 39 and 40 S., Rs. 20 and 21 E., heretofore described.

Land, broken bench; general drainage and exposure E. & W.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper.

Undergrowth, black brush and mountain rush.

Poor grazing land.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 40 S., R. 21 E.

"Reestablishment of the surveys executed by Page and Leptz, U.S. Deputy Surveyors, in 1899,"

From the standard corner for secs. 31 and 32, T. 40 S., R. 21 E., hereinafter described.

N. 0° 03' W., on random line between secs. 31 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor. After diligent search no trace of the original $\frac{1}{4}$ sec. cor. could be found.

80.15 Intersect the cor. of secs. 29, 30, 31 and 32, hereinafter described.

Thence

From the standard cor. of secs. 31 and 32, T. 40 S., R. 21 E., which is a sandstone, extending 8x6x2 ins. above ground, mkd. 5 notches on the E. edge and 1 notch on the W. edge.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the stand. cor., for secs. 31 and 32, with brass cap mkd.

S. C

T40S R21E

831 832

1929

raise a mound of stone, 3 ft. high, 4 ft. base, N. of cor.

DEPENDENT RESURVEY OF SUBDIVISION OF T.40 S., R.21 E.

Chains

N.0°03'W., on true line bet. secs. 31 and 32.

Ascend 115 ft. over SE. slope, through scattering undergrowth, to the $\frac{1}{4}$ sec. cor.

8.10 Telephone line, bears N.80°E., and S.80°W., from Bluff to Mexican Hat, Utah.

35.30 Road, bears N.80°E. and S.80°W., from Bluff to Mexican Hat, Utah.

40.075 The proportionate point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 31 | S 32

1929

No other suitable accessories available.

Ascend 30 ft. over SE. slope.

54.80 Top of low spur, slopes SW.; descend 70 ft. over NW. slope, to sec. cor.

67.10 Top of sandstone rim, 40 ft. high, bears N.35°E., and S.35°W.

80.15 The cor. of secs. 29, 30, 31 and 32, which a sandstone extending 16x8x5 ins. above ground, mkd. with 5 notches on the E. edge and 1 notch on the S. edge

At cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for the cor. of secs. 29, 30, 31 and 32, with brass cap mkd.

T40S R21E
S30 | S29

S31 | S32
1929

raise a mound

of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

Land, bench; general drainage and exposure SE.

Soil, loose sandy loam; 3rd rate.

Timber, very scattering juniper.

Undergrowth, black brush, mountain rush and amole plant.

Poor grazing land.

N.0°03'W., on true line bet. secs. 29 and 30.

Over rolling bench land, through scattering undergrowth.

9.60 Small draw, course W.

DEPENDENT RESURVEY OF SUBDIVISION OF T.10S. R.21 E.

- Chains
26.50 Top of small spur, slopes S.60°W.
35.10 Ungraded wagon road, bears N.20°E., and S.20°W.
40.00 The $\frac{1}{4}$ sec. cor., which is a sandstone, 5x9 ins., extending 10 ins. above ground, mkd. $\frac{1}{4}$ on W. face.

At the cor. point

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 30 | S 29
 1929

of stone, 4 ft. base, 3 ft. high, W. of cor. raise a mound

Continue over rolling bench land.

- 48.00 Small draw, course NW.
54.00 Low spur, slopes N.70°W., descend 100 ft. over NW.slope
74.70 Bottom of Butler Wash, course SW. Ascend 90 ft.
78.60 Top of spur, slopes S. 20°W.
80.00 The orig. cor. of secs. 19, 20, 29 and 30, which is a cross cut in the solid surface rock, with 5 notches cut to the E. and 2 notches cut to the S. of the cross.

At the cor. point

Set an iron post, 3 ft. long, 2 ins. diam., over the orig. cross, and in a mound of stone, to the top, for the cor. of secs. 19, 20, 29, and 30, with brass cap mkd.

T408 R21E
 S19 | S20
 S30 | S29
 1929

No other suitable accessories available.

Land, bench; general drainage and exposure W.

Soil, loose sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper.

Undergrowth, sagebrush, black brush and amole plant.

Poor grazing land.

N.0°03'W., on true line bet. secs. 19 and 20.

Over broken bench land, through scattering timber and undergrowth.

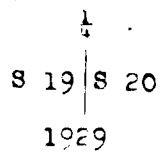
- 2.60 Sandstone rim, 75 ft. high, bears E. and W.

DEPENDENT RESURVEY OF SUBDIVISION OF T.40 S., R.21 E.

- Chains
- 5.40 Bottom of wash, course W.; ascend.
- 7.50 Sandstone rim, 75 ft. high, bears E. and W.; thence over broken bench.
- 22.40 Small draw, course SE.; ascend 100 ft.
- 35.30 Sandstone spur, slopes E.; descend 30 ft. over NE.slope.
- 40.00 The orig. $\frac{1}{4}$ sec. cor., which is a sandstone, 12x6x3 ins., mkd. $\frac{1}{4}$ on W. face.

At the cor. point

Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground, to bedrock, and 25 ins. in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.



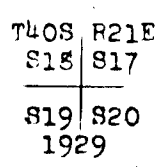
A juniper, 12 ins. diam., bears N.50°30'E., 62 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.

A juniper, 6 ins. diam., bears N.70°30'W., 41 lks. dist., mkd. $\frac{1}{4}$ S 19 B T.

- 40.20 Bottom of draw, course E.
- 41.20 Top of sandstone rim, 50 ft. high, bears E. and W.; thence over broken E. slope.
- 56.50 Bottom of draw, course E.
- 73.40 Sandstone rim, 100 ft. high, bears E. and W.
- 75.40 Bottom of draw, course E.
- 77.40 Top of sandstone rim, 125 ft. high, bears E. and W.
- 80.00 The orig. corner of secs. 17, 18, 19, and 20, with is a cross, cut in the solid sandstone, with 5 grooves cut in the solid rock to E. of cross, and 3 grooves cut in the solid rock to the S. of cross.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., over the orig. cross, and 30 ins. in a large mound of stone, for the cor. of secs. 17, 18, 19, and 20, with brass cap mkd.



A juniper, 6 ins. diam., bears S.6°30'E., 156 lks. dist., mkd. T40S R21E S20 B T.

No other suitable accessories available.

Land, broken bench; general drainage and exposure SE..

Soil, shallow sandy loam and surface sandstone; 3rd rate.

DEPENDENT RESURVEY OF SUBDIVISION OF T.40 S., R.21 E.

Chains

Timber, scattering juniper.

Undergrowth, sagebrush and black brush.

Poor grazing land.

N.89°59'E., on random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor., after diligent search no trace of the original $\frac{1}{4}$ sec. cor. could be found.

80.08 Intersect the cor. of secs. 16, 17, 20 and 21, herein-after described.

Thence

From the reestablished cor. of secs. 17, 18, 19, and 20, herein described.

N.89°59'E., on true line bet. secs. 17 and 20.

Descend 195 ft. over broken E. slope to bottom of Butler Wash.

8.60 Top of small sandstone spur, slopes SE.

34.90 Small draw, course SE.

37.60 Bottom of Butler Canyon, stream of clear water 3 lks. wide, course SE.

40.04 Proportionate point

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S. 17
S. 20
1929

No other suitable accessories available.

Ascend 405 ft. over broken W. slope, to the sec. cor.

54.60 Small draw, course SW.

77.00 Top of sandstone rim, 200 ft. high, bears NW. and SE. Thence over broken mesa top.

80.08 The cor. of secs. 16, 17, 20 and 21, which is a sandstone 18x10x8 ins. mkd. 3 notches on the S. and 4 notches on the E. edges, and set in a mound of stone.

At the cor point

Set an iron post, 3 ft. long, 2 ins. in diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the cor. of secs. 16, 17, 20, and 21, with brass cap mkd.

T40S, R21E
S17 S16

S20 S21
1929

from which

INDEPENDENT RESURVEY OF SUBDIVISION OF T.40 S., R.21 E.

Chains

A juniper, 3 ins. diam., bears N.60°45'E., 105 lks.
dist., mkd. B T.

A juniper, 3 ins. diam., bears S.39°00'E., 196 lks.
dist., mkd. B T.

A juniper, 3 ins. diam., bears S.78°45'W., 53 lks.
dist., mkd. B T.

A juniper, 3 ins. diam., bears N.75°30'W., 87 lks.
dist., mkd. B T.

Land, broken bench; general drainage and exposure S.

Soil, shallow sandy loam and sandstone surface rock;
3rd rate.

Timber, scattering juniper.

Undergrowth, black brush and sagebrush.

Poor grazing land.

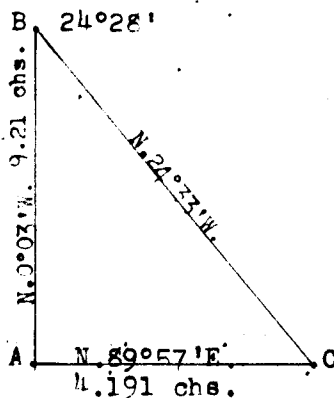
SUBDIVISION OF T.40 S., R.21 E.

From the cor. of secs. 16, 17, 20, and 21, herein
described.

N.0°03'W., on random line, bet. secs. 16 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

53.82 The line to the north descend over vertical sandstone
rim over which chaining is impracticable. Therefore
to determine the distance I triangulate as follows:
Erect flag A at this point and set flag B on line to
the north, from A measure base line N.89°57'E., 4.191
chs., and erect flag C, from which B bears N.24°33'W.,
the angle subtended at B is 24°28'; all angles
determined by three repetitions and the bearings are
checked by deflection. The vertical angle from A to
B is minus 20°.



Distance on line to A-----	53.82 chs.
Distance by triangulation A to B-----	9.21 "
Distance on line to B-----	63.03 "

63.03 Point B of triangulation.

80.00 Set temp. cor. of secs. 8, 9, 16, 17.

SUBDIVISION OF T. 40 S., R. 23 E.

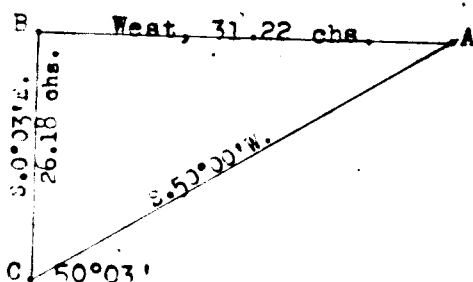
Chains

From the $\frac{1}{4}$ sec. cor., for secs. 9 and 16, hereinafter described.

West on random line bet. secs. 9 and 16.

9.02

The line to the W. descends over vertical sandstone rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows: Erect flag A at this point and set flag B on line to the W. Also from A flag designated as C bears S. 50° 00' W., from B measure base line BC S. 0° 03' E., 26.18 chs.; the angle subtended at C is 50° 03'. All angles determined by three repetitions and the base line doubled chained; the bearings were checked by deflection. The vertical angle from A to B is minus 5° 45'.



Distance on line to A----- 9.02 chs.

Distance by triangulation A to B----- 31.22 "

40.24

Distance on line to B----- 40.24 "

Point B of triangulation. intersect N. and S. line, 15 lks. S. of the temp. cor. of secs. 8, 9, 16, and 17.

From the corner of secs. 16, 17, 20 and 21, heretofore described.

N. 0° 03' W., on true line bet. secs. 16 and 17.

Over mesa top, through scattering timber and undergrowth, ascend 110 ft. over gentle S. slope to $\frac{1}{4}$ sec. cor.

15.20

Small draw, course SW.

39.925

Proportionate point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 17 | S 16
 1929

from which

A juniper, 4 ins. diam., bears N. 30° 00' W., 375 lks. dist., mkd. $\frac{1}{4}$ S 17 B T.

No other suitable accessories available.

Ascend 70 ft. over gradual S. slope to rim.

23.50

Low sand spur, slopes NW.

53.82

Sandstone rim, 175 ft. high, bears NE. and SW. Descend over vertical sandstone rim.

SUBDIVISION OF T.40 S., R. 21 E.

Chains
63.03

Foot of precipitous slope, bears NE. and SW.; gradual descent of 40 ft. over NW. slope.

79.85

Intersection with line projected west from the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 16.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a sandstone 8x6x4 ins. mkd. with X deposited at the base, for the cor. of secs. 8, 9, 16, and 17, with brass cap mkd.

T40S	R21E
S 8	S 9
S17	S16
1929	

No other suitable accessories available.

Land, broken bench; general drainage and exposure SW.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper.

Undergrowth, black brush and sagebrush.

Poor grazing land.

From the $\frac{1}{4}$ sec. cor., for secs. 9 and 16, which is a cross cut in the solid surface rock and the figure 4 chiseled to the N. of cross, and a small mound of stone to the N.

At the cor. point

Set an iron post, 1 ft. long, 1 in. diam., 10 ins. in a hole drilled in the solid sandstone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 9
S 16
1929

raise mound

of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.

West on true line bet. secs. 9 and 16

Over broken bench land, through scattering timber and undergrowth.

9.02

Top of sandstone rim, 75 ft. high, bears SW. and NE. descend over vertical rim.

15.70

Bottom of canyon, small stream of clear water, course SW., ascend 70 ft. over NE. slope.

25.50

Top of spur, slopes S.; descend 75 ft. over SW. slope.

32.80

Bottom of Canyon, course NW., ascend 15 ft.

40.24

Intersect the cor. of secs. 8, 9, 16, and 17.

Land, broken bench; general drainage and exposure NW.

Soil, shallow sandy loam and surface sandstone; 3rd rate

SUBDIVISION OF T.40 S., R.24 E.

Chains

Undergrowth, blackbrush and sagebrush .

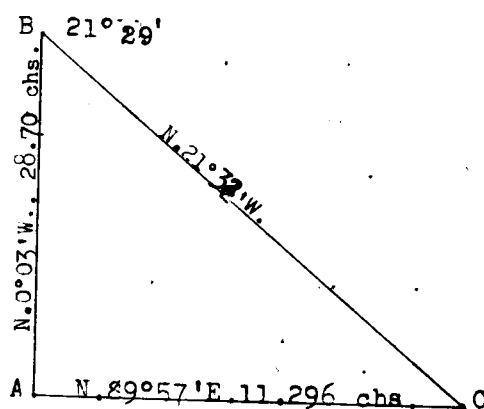
Timber, scattering juniper.

Poor grazing land.

N.0°03'W., on random line bet. secs. 8 and 9.

The line to the north ascends over vertical sandstone rim over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at the cor. of secs. 8, 9, 16, and 17, and set flag B on line to the N. on top of rim; from A measure base line, N.89°57'E., 11.296 chs., and erect flag C, from which B bears N.21°32'W. The angles subtended at B is 21°29'. All angles determined by three repetitions and the bearings were checked by deflection. The vertical angle is plus 7½° from A to B.



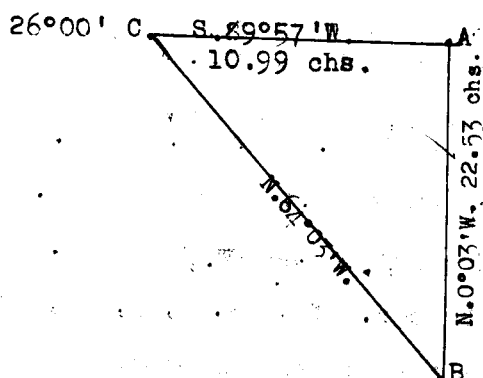
Distance on line to B by triangulation-----28.70 chs.

28.70 Point B of triangulation.

40.00 Set temp. ½ sec. cor.

50.64 The line to the north descend over vertical sandstone rim over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at this point and set flag B on line to the north. Flag designated as C bears N.64°03'W., from A. From B measure base line BC, S.89°57'W., 10.99 chs. The angle subtended at C is 26°00'; all angles determined by three repetitions and the bearings were checked by deflection. The vertical angle from A to B is minus 7°45'.



Distance by triangulation A to B-----22.53 chs.
Distance on line to A-----50.64 "

SUBDIVISION OF T.40 S., R.21 E.

Chains	Distance on line to B-----73.17 chs.
73.17	Point B, of triangulation.
80.00	Set temp. cor of secs. 4, 5, 8, and 9.
	From the $\frac{1}{4}$ sec. cor. of secs. 4 and 9, hereinafter described.
	West, on random line, bet. secs. 4 and 9.
29.75	After diligent search no trace of the witness sec. cor. could be found.
40.25	Intersect N. and S. line, 24 lks. N. of the temp. cor. of secs. 4, 5, 8, and 9.
	From the cor. of secs. 8, 9, 16, and 17, heretofore described.
	N.0°03'W., on true line, bet. secs. 8 and 9.
	Over broken bench land, through scattering timber and undergrowth
3.90	Canyon course NW.; ascend 50 ft.
25.00	Foot of precipitous slopes bears NW. and SE.; ascend over inaccessible sandstone rim.
28.70	Top of sandstone rim, 200 ft. high, bears NW. and SE.; ascend 35 ft. over broken bench.
40.12	Proportionate point.
	Set an iron post, 1 $\frac{1}{4}$ ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ S 8 S 9 1929 </div>
	from which
	A juniper, 6 ins. diam., bears N.74°30'E., 153 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.
	No other suitable accessories available.
	Continue ascent of 10 ft. over broken bench.
45.40	Top of ascent, bears E. and W.; descend 25 ft. over N. slope.
50.64	Top of sandstone rim, 175 ft. high, bears NE. and SW. descend over inaccessible sandstone rim, and precipitous slope.
73.17	Foot of precipitous slopes bears NE. and SW.; thence over broken bench land.
80.24	At intersection with line projected west from the $\frac{1}{4}$ sec. cor. of secs. 4 and 9.

SUBDIVISION OF T.40 S. R. 20 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam, 28 ins. in the ground, with broken glass deposited at the base, for the cor. of secs. 4, 5, 8, and 9, with brass cap mkd.

T408 R21E

S 5 | S 4

S 8 | S 9

1929

from which

A juniper, 12 ins. diam., bears N.15°15'E., 423 lks. dist., mkd. T 40 S R 21 E S 4 B T.

No other suitable accessories available.

Land, broken bench; general drainage and exposure SW.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper and pinon.

Undergrowth, black brush and sagebrush.

Fair grazing land.

From the $\frac{1}{4}$ sec. cor., of secs. 4 and 9, which is sandstone, 6x4x4 ins. mkd. $\frac{1}{4}$ on N. face.

At cor. point.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass and 1 quart of charcoal deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 4

$\frac{1}{4}$ |

S 9

1929

No other suitable accessories available.

West, on true line bet. secs. 4 and 9.

Descend 270 ft. over broken bench land, through scattering timber and undergrowth, to the sec. cor.

9.00 Trail, bears NE. and SW.

29.10 Top of sandstone rim, 75 ft. high, bears NE and SW.

40.25 The cor. of secs. 4, 5, 8, and 9.

Land, broken bench; general drainage and exposure W.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper.

Undergrowth, sagebrush and black brush.

Poor grazing land.

N.0°03'W., on random line bet. secs. 4 and 5.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T. 40 S., R. 21 E.

Chains	
79.65	Intersect the N. bdy., 7 links E. of the cor. of secs. 4, 5, 32, and 33, heretofore described. Thence S. 0° 06' E., on true line bet. secs. 4 and 5.
	Over broken bench land, through scattering timber and undergrowth, descend 30 ft. to rim.
5.20	Bottom of small draw, course SE.
6.80	Top of sandstone rim, 150 ft. high, bears NE. and SW., descend 200 ft. over SW. slope.
22.40	Draw, course SW.; ascend 90 ft.
59.65	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with broken glass deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S 5 S 4 1929
	No other suitable accessories available.
41.70	Small draw, course NW.; ascend 180 ft. over N. slope to top of ascent.
48.10	Top of sandstone rim, 100 ft. high, bears NE. and SW.
51.20	Top of ascent, bears E. and W.; descend 15 ft.
56.70	Sandstone rim, 200 ft. high, bears NE. and SW.; descend 250 ft. over S. slope.
61.00	Draw, course SW.; ascend 15 ft.
79.65	The cor. of secs. 4, 5, 8, and 9.
	Land, broken bench; general drainage and exposure SW.
	Soil, shallow sandy loam and surface sandstone; 3rd rate.
	Timber, scattering juniper.
	Undergrowth, sagebrush and black brush.
	Poor grazing.
	From the witness $\frac{1}{4}$ sec. cor., of secs. 30 and 31, which is east 5.75 chs. dist. from the true point, hereinafter described.
	West, on random line bet. secs. 30 and 31.
45.57	Intersect the W. bdy. 12 links N. of the cor. of secs. 25, 30, 31, and 36, which is an iron post, 2 ins. diam., set, marked and witnessed as described in the official record of T. 40 S., R. 20 E. of this group.
	Thence
	N. 89° 50' E., on true line, bet. secs. 30 and 31.
	Descend 145 ft. over broken SE. slope; through scattering timber and undergrowth, to witness $\frac{1}{4}$ sec. cor.
23.80	Small draw, course SE.
38.10	Top of right rim of Butler Wash, 75 ft. high, bears NE. and SW.

SUBDIVISION OF T. 40 S., R. 21 E.

Chains	
39.82	Point for the $\frac{1}{4}$ sec. cor. falls on sloping sandstone where corner is impracticable to set. Thence East, on record, with continuous measurement.
40.23	Right bank of Butler Wash, 50 ft. high, bears NE. and SW.
41.85	Bottom of Butler Wash, stream of clear water, 2 ins. deep, 2 ft. wide, course SW.
44.75	Left bank of Butler Wash, 60 ft. high, bears NE. and SW.
45.57	The witness $\frac{1}{4}$ sec. cor. for secs. 30 and 31, which is a sandstone, 6x4x4 ins. mkd., WC $\frac{1}{4}$ on N. face, surrounded by mound of stone. At the corner point. Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid sandstone, 28 ins. in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> $\begin{array}{r} \text{WC } \frac{1}{4} \text{ S } 30 \\ \hline \text{S } 31 \\ 1929 \end{array}$ </div>
	No other suitable accessories available.
	Land, broken bench; general drainage and exposure E.
	Soil, shallow sandy loam and surface sandstone; 3rd rate.
	Timber, scattering juniper.
	Undergrowth, sagebrush and blackbrush.
	Poor grazing land.
	From the cor. of secs. 19, 20, 29 and 30, heretofore described. S. 89°55'W., on random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.75	Intersect the W. bdy., 37 links N. of the cor. of secs. 19, 24, 25, and 30, which is an iron post, 2 ins. diam., set. mkd. and witnessed as described in the official record of T. 40 S., R. 20 E. this group. N. 89°39'E., on true line, bet. secs. 19 and 30. Descend 110 ft. over broken SE. slope, through scattering timber and undergrowth.
35.80	Small draw, course NE.
39.75	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, 20 ins. in large mound of stone for the $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> $\begin{array}{r} \text{S } 19 \\ \frac{1}{4} \text{ ---} \\ \text{S } 30 \\ 1929 \end{array}$ </div>
	from which A juniper, 8 ins. diam., bears N. 54°45'E., 51 links dist., mkd. $\frac{1}{4}$ S 19 B T

SUBDIVISION OF T.40 S., R. 21 E.

Chains

A juniper, .7 ins. diam., bears S.32°30'E., 142 lks. dist., mkd. $\frac{1}{4}$ S 30 B T.

Descend 60 ft. over broken NE. slope, to sec. cor.

46.30 Small draw, course SW.

71.40 Small draw, course SE.

73.20 Small spur, slopes SE.

75.70 Draw, course SW.

79.75 The cor. of secs. 19, 20, 29 and 30.

Land, broken bench; general drainage and exposure E.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper.

Undergrowth, sagebrush and black brush.

Poor grazing land.

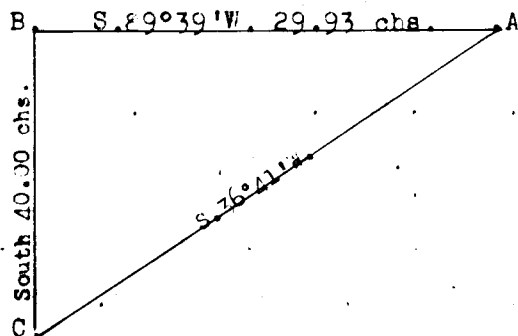
From the cor. of secs. 17, 18, 19 and 20, heretofore described.

S.89°39'W., on random line, bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

49.84 Top of Comb Reef, vertical sandstone rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at this point, and designate the cor. of secs. 13, 18, 19 and 24, B, which bears S.89°39'W., from A. Designate the $\frac{1}{4}$ sec. cor. on the W. bdy bet. sec. 19 and 24 as C, and from A bears S.36°41'W. The base line BC bears S. 40.00 chs. dist. The bearings were checked by deflection. The vertical angle from A to B is minus 22°15'.



Distance on line to A----- 49.84 chs.

Distance by triangulation A to B----- 29.93 "

Total distance on line to B----- 79.77 "

79.77 Intersect the cor. of secs. 13, 18, 19 and 24, which is an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record T.40 S., R.20 E., this group.

Thence

SUBDIVISION OF T.40 S., R.21 E.

Chains

N.89°39'E., on true line bet. secs. 18 and 19.

Gradual ascent over bench land, through scattering timber and undergrowth.

19.80 Approximate dist. to foot of precipitous slopes, bears N. and S.

29.93 Top of Comb Reef, which is a sandstone rim, 300 ft. high bears NE. and SW. Descend 275 ft. over broken E. slope to $\frac{1}{4}$ sec. cor.

39.77 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, 20 ins. in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 18

 S 19
 1929

from which

A juniper, 3 ins. diam., bears S.50°15'E., 53 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears N.34°15'W., 65 lks. dist., mkd. B T.

Descend 180 ft. over broken E. slope.

72.60 Bottom of draw, course SE.; ascend 135 ft.

76.40 Sandstone rim, 80 ft. high, bears NW. and SE.

79.77 The cor. of secs. 17, 18, 19 and 20.

Land, broken bench; general drainage and exposure E. & W.

Soil, shallow sandy loam, and surface sandstone; 3rd rate.

Timber, juniper.

Undergrowth, sagebrush and black brush.

Poor grazing land.

N.0°03'W., bet. secs. 17 and 18.

Along broken NE. slope, through scattering timber and undergrowth.

20.00 Bottom of draw, course E.; ascend 35 ft.

32.00 Low spur, slopes E.; ascend 25 ft. over broken E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S. 18 | S 17
 1929

from which

A juniper, 3 ins. diam., bears S.21°45'E., 108 lks. dist., mkd. B T.

SUBDIVISION OF T.40 S., R.21E.

Chains

A juniper, 3 ins. diam., bears S. 62° 15' W., 307 lks.
dist., mkd. B T.

Thence along a broken SE. slope.

46.20 Draw, course E.; ascend 40 ft. over E. slope.

64.00 Low spur, slopes E.; descend 55 ft.

85.30 Bottom of draw, course E.; ascend 75 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut
in solid surface rock, 30 ins. in large mound of
stone, for the cor. of secs. 7, 8, 17, and 18, with
brass cap mkd.

THOS	R21E
S 7	S 8
S18	S17
1929	

No other suitable accessories available.

Land, broken bench; general drainage and exposure E.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, juniper.

Undergrowth, black brush and mountain rush.

Poor grazing land.

N. 69° 59' E., on random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.32 Intersect W. and S. line, 3 lks. N. of the cor. of secs.
8, 9, 16 and 17, heretofore described.

Thence

West, on true line bet. secs. 8 and 17.

Over broken bench land, through scattering timber and
undergrowth.

0.40 Low spur, slopes NW.; descend 115 ft. over broken
NW. slope, to bottom of Butler Wash.

30.10 Small draw, course SW.

39.60 Bottom of Butler Wash., stream of water, 4 lks. wide,
course SW.

40.16 Point for the $\frac{1}{4}$ sec. cor., falls on bank of Butler
Wash. Impracticable to set cor.

40.26 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, with a sandstone 10x6x4 ins. mkd. X
deposited at the base, for the witness $\frac{1}{4}$ sec. cor.,
with brass cap mkd.

S 8
$\frac{1}{4}$ WC
S17
1929

SUBDIVISION OF T. 40 S., R. 20 E.

Chains

No other suitable accessories available.

Ascend 305 ft. over broken SE. slope, to the sec. cor.

50.30 Small draw, course NE.

50.32 The cor. of secs. 7, 8, 17, and 18.

Land, broken bench; general drainage and exposure E. and

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, juniper.

Undergrowth, sagebrush, black brush and mountain rush.

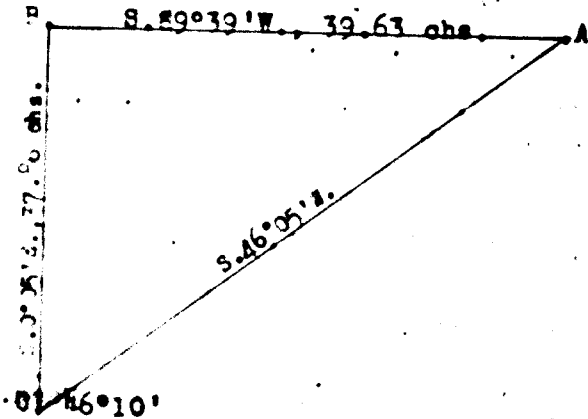
Poor grazing.

S. 89° 39' W., on random line bet. secs. 7 and 18.

39.93 Set temp: witness 1/4-sec. cor.

The line to the west descends over a vertical sandstone rim, 300 ft. high, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at this point and set flag B on line to the west; from A, flag designated as C bears S. 46° 05' W; from B measure base line BC S. 0° 05' E., 37.86 chs. The angle subtended at C is 46° 10'; all angles determined by three repetitions and the bearings were checked by deflection. The vertical angle A to B is minus 15°.



Distance on line to A is ----- 39.93 chs.
Distance by triangulation A to B ----- 39.63 "
Distance on line to B ----- 37.86 "

20.56 Intersect the W. bdy., 7 lks. S of the cor. of secs. 7, 12, 13, and 18, which is an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of T. 40 S., R. 20 E. of this group.

Thence

S. 89° 42' E., on true line bet. secs. 7 and 18.

Over broken bench land, through scattering timber and undergrowth.

22.60 Approximate dist. to foot of precipitous slopes bears N. and S.

SUBDIVISION OF T.40 S., R.21 E.

Chains

- 39.56 Point for the $\frac{1}{4}$ sec. cor., falls on inaccessible sandstone rim, impracticable to set cor.
- 39.63 Top of Comb Reef, a sandstone rim 300 ft. high, bears NE. and SW.
- 39.73 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd..

$\frac{1}{4}$ WC $\frac{S 7}{S 18}$
1929

from which.

A juniper, 3 ins. diam., bears N.60°45'E., 178 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears S.82°30'E., 365 lks. dist., mkd. B T.

Descend 280 ft. over SE. slope to bottom of draw.

- 62.30 Rocky spur, slopes SE.
- 70.00 Bottom of draw, course NE.; ascend 100 ft.
- 76.00 Sandstone rim, 75 ft. high, bears NE. and SW.
- 79.56 The cor. of secs. 7, 8, 17, and 18.
- Land, broken bench; general drainage and exposure, E. and W.
- Soil, shallow sandy loam and surface rock; 3rd rate.
- Timber, juniper.
- Undergrowth, sagebrush and black brush.
- Poor grazing land.

N.0°03'W., bet. secs. 7 and 8.

Descend 130 ft. over N. slope, through scattering timber and undergrowth.

- 7.00 Bottom of rocky draw, course E.; ascend 50 ft. over S. slope.
- 10.00 Spur, slopes NE.; descend 30 ft. over N. slope.
- 15.40 Bottom of small draw, course E.; ascend 60 ft.
- 26.90 Top of low spur, slopes E.; thence along broken NE. slope.
- 39.80 Top of sandstone rim, 15 ft. high, bears NE. and SW.
- 39.90 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ WC
S 7 | S 8
1929

SUBDIVISION OF T.40 S., R. 21 E.

Chains

from which

A juniper, 3 ins. diam., bears East, 99 fks. dist., mkd. B T.

A juniper, 3 ins. diam., bears S.28°00'W., 82 lks. dist., mkd. B T.

40.00 Point for the $\frac{1}{4}$ sec. cor. falls on sloping sandstone where it is impracticable to set corner.

Descend 60 ft. over N. slope.

45.00 Bottom of draw, course E.; ascend 40 ft. along E. slope.

70.00 Top of low spur, slopes E.; descend 30 ft.

76.00 Bottom of draw, course E.; ascend 20 ft.

80.00 On top of spur, slopes SE.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid surface rock, 30 ins. in large mound of stone for the cor. of secs. 5, 6, 7, and 8, with brass cap mkd.

T40S R21E

S 6 S 5

S 7 S 8

1929

No other suitable accessories available.

Land, broken bench; general drainage and exposure E.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, juniper.

Undergrowth, sagebrush, black brush and mountain rush.

Poor grazing land.

East, on random line bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.38 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 4, 5, 8, and 9.

Thence

S:89°50'W., on true line bet. secs. 5 and 8.

Descend 30 ft. over broken bench land, through scattering timber and undergrowth, to $\frac{1}{4}$ sec. cor.

2.30 Bottom of small draw, course NW.

17.70 Top of low spur, slopes NW.

21.70 Sandstone rim, 5 ft. high, bears N. and S.

24.70 Trail, bears N. and S.

32.00 Bottom of Butler Wash, stream of clear water 3 lks. wide, course SE.

SUBDIVISION OF T.40 S., R. 21 E.

Opalms

34.20 Draw, course S.

39.50 Low spur, slopes S.

40.19 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with 1 quart of charcoal deposited at the base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
$$\begin{array}{r} S\ 5 \\ \frac{1}{4} \\ S\ 8 \\ 1929 \end{array}$$

from which

A juniper, 8 ins. diam., bears S.84°15'E., 234 lks. dist., mkd. $\frac{1}{4}$ S 8 B T.

No other suitable accessories available.

Ascend 260 ft. over broken E. slope, to sec. cor.

59.40 Small draw, course SE.

68.60 Rocky draw, course NE.

80.38 The cor. of secs. 5, 6, 7, and 8.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, juniper.

Land, broken bench, general drainage and exposure N. and SE.

Undergrowth, sagebrush and black brush.

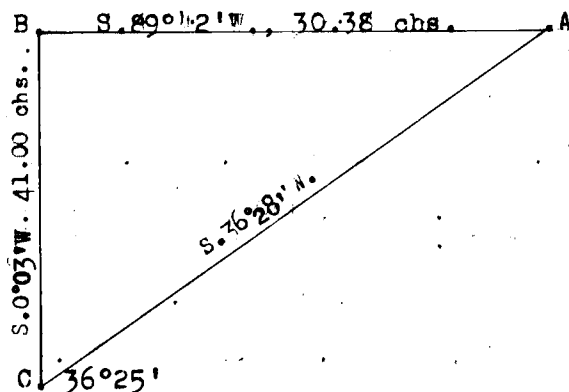
Poor grazing land.

S.89°42'W., on random line, bet. secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

49.35 The line to the west descends over vertical sandstone rim, over which chaining is impracticable, therefore to determine the distance I triangulate as follows:

Erect flag A at this point and set flag B on line to the west; from A flag designated as C bears S.36°28'W; from B measure base line BC, S.0°03'W., 41.00 chs. dist., and the angle subtended at C is 36°25'. All angles were determined by three repetitions and the bearings were checked by deflection. The vertical angle from A to B is minus 21°45'.



SUBDIVISION OF T. 40 S., R. 21 E.

Chains	Distance on line to A-----	49.35
	Distance by triangulation A to B-----	30.38
	Distance on line to B-----	79.73
79.73	Point B of triangulation, intersect N. and S. line, 7 lks. N. of the corner of secs. 1, 6, 7, and 12 on W. bdy., which is an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of T. 40 S., R. 20 E. this group.	
	Thence	
	N. 89° 39' E., on true line bet. secs. 6 and 7.	
	Over broken bench land, through scattering timber and undergrowth.	
30.38	Top of Comb Reef, a sandstone rim, 300 ft. high, bears N. and S., descend 50 ft. over E. slope.	
38.87	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, 30 ins. in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\begin{array}{r} \text{S } 6 \\ \frac{1}{4} \text{---} \text{WC} \\ \text{S } 7 \\ 1929 \end{array}$	
	No other suitable accessories available.	
39.73	Point for the $\frac{1}{4}$ sec. cor., falls on sloping sandstone rim where it is impracticable to set cor.	
	Continue descent of 405 ft. over broken E. slope to the sec. cor.	
50.00	Sandstone rim, 150 ft. high, bears N. 80° E., and S. 85° W.	
79.73	The cor. of secs. 5, 6, 7, and 8.	
	Land, broken bench; general drainage and exposure E. & W.	
	Soil, shallow sandy loam and surface sandstone; 3rd rate.	
	Timber, juniper.	
	Undergrowth, sagebrush and black brush.	
	Poor grazing land.	
	N. 0° 06' W., on random line bet. secs. 5 and 6.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
79.79	Intersect the N. bdy., 38 lks. W. of the cor. of secs. 5, 6, 31 and 32, heretofore described.	
	Thence	
	S. 0° 10' W., on true line bet. secs. 5 and 6.	
	Along broken E. slope, through scattering timber and undergrowth.	
10.30	Bottom of small draw, course E.	
23.00	Sandstone rim, 150 ft. high, bears NW. and SE.	

SUBDIVISION OF T. 40 S., R. 21 E.

Chains

27.00 Bottom of draw, course E.
 29.70 Sandstone rim, 100 ft. high, bears NW. and SE.
 37.70 Draw, course E.
 39.79 Point for the 4 sec. cor. falls on steep sloping sandstone, where it is impracticable to set cor. So at a point East, 17 lks. dist.

Set an iron post, 16 ins. long, 1 in. diam., 14 ins. in a hole drilled in the solid sandstone, with brass cap mkd.

WC S 6 S 5

1929

A juniper, 3 ins. diam., bears N. 9° 00' E., 66 lks. dist., mkd. B T.

A juniper, 3 ins. diam., bears S. 87° 00' W., 82 lks. dist., mkd. B T.

From point on true line,
 Continue along broken E. slope.

40.80 Sandstone rim, 200 ft. high, bears E. and W.

42.70 Bottom of canyon, course E.

48.30 Sandstone rim, 200 ft. high, bears NW. and SE.

71.40 Bottom of draw, course E.

74.50 Sandstone rim, 100 ft. high, bears NE. and SW.

79.79 The cor. of secs. 5, 6, 7, and 8.

Land, broken bench; general drainage and exposure E.

Soil, shallow sandy loam and surface sandstone; 3rd rate.

Timber, juniper.

Undergrowth, sagebrush and black brush.

Poor grazing land.

FINAL TEST OF SOLAR ATTACHMENT.

March 17: In camp approximately 30 chs. NE. of the Stand. cor. of T. 40 S., Rs. 20 and 21 E., at 9h Om a. m. app. t. we set off 37° 16' N., on the lat. arcs; 1° 20' S., on the decl. arcs and orient the instruments with the solars; the line of sight agrees with the meridian established by Polaris observation.

At 3h Om p.m. app. t., We set off 37° 16' N., on the lat. arcs; 1° 14' S. on the decl arcs; and repeat the tests of the solars; the line of sight agrees with the meridian established by Polaris.

GENERAL DESCRIPTION.

GENERAL DESCRIPTION

The portion of Township 40 South, Range 21 East, surveyed under this group, is a broken bench, ranging in elevation from 4250 to 4750 ft. above sea level. The soil is a shallow sandy loam, with a great deal of surface sandstone; 3rd rate. There is a very scattering growth of juniper timber which has no commercial value except for firewood. There is a scattering growth of black brush, sagebrush, mountain rush and yellow top, and a very scattering growth of grass. The entire portion shows over grazing.

The Comb Reef is a sandstone rim, approximately 300 ft. high, and extending north and south along the west boundary.

There are no settlers in the township, and the only industry is stock raising. The stockmen use this land for winter grazing and I estimate that about 25 head of cattle winter here.

A stream of clear water about 3 lks. wide, in the bottom of Butler Wash, enters the township on the north boundary of section 5 and leaves on the south boundary of section 17.

There is a small spring in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of section 9, flows a small stream of water in the spring and fall months.

The magnetic declination was not taken on account of defective needles.

There was no surface indication of mineral.

4-680
(August, 1928)

CAPACITY.

Chairman.

Chairman.

Chairman

Chairman

Flagman.

CERTIFICATE OF ~~UNITED STATES~~ SURVEYORS

Chas. F. Moore
 WE ~~Robert C. Yundt~~....., hereby certify upon honor that, in pursuance
 special instructions received from the District Cadastral Engineer for District No. 6
 bearing date of the 22nd day of November, 1927, we have well, faithfully, and truly
 our
 by ~~own~~ proper persons and in strict conformity with said instructions, the Manual of Surveying Instruc-
 ons, and the laws of the United States, surveyed all those parts or portions of T. 40 S., R. 21 E.

..... of the Salt Lake
 Base and Meridian, in the State of Utah, which are represented in
 us our
 e foregoing field notes as having been executed by ~~me~~, and under ~~my~~ direction; and that all the corners of
 id survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-
 ons, and the special written instructions of the District Cadastral Engineer for District No. 6
 d in the specific manner described in the field notes, and that the foregoing are the original field notes of
 ch survey. Salt Lake City, Utah April 27, 1931 *Chas. F. Moore* ~~is~~ *Surveyor*
 Las Vegas Nevada, *Robert C. Yundt*

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,
 DENVER, COLORADO JUN 28 1938, 19.....

The foregoing field notes of the ~~survey of~~ resurvey and survey of portions of
T. 40 S., R. 21 E., Salt Lake Base and Meridian, Utah.

.....
 executed by Chas. F. Moore and Robert C. Yundt.
 der his special instructions dated November 22, 1927, having been
 ically examined, and the necessary corrections and explanations made, the said field notes, and the surveys
 y describe, are hereby approved.

I certify that the foregoing transcript of the field notes of the above described surveys in
 has been correctly copied from the original notes on file in this office.

U. S. Supervisor of Surveys.

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Page

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Page

BOOK A-510

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RECEIVED

JAN 22 1937
 Department Of The Interior
 Public Survey Office
 Salt Lake City, Utah

FIELD NOTES

OF THE ~~SURVEY OF THE~~

DEPENDENT RESURVEY OF THE NORTH BOUNDARY, 8TH STAND. PAR. S.

SURVEY OF THE SUBDIVISION AND MEANDERS

T. 41 S., R. 21 E.

Of the SALT LAKE BASE AND Meridian,

In the State of UTAH

EXECUTED BY

ROBERT C. YUNDT

In the capacity of U. S. Surveyor, under Special Instructions dated Nov. 22, 1927, issued by the District Cadastral Engineer to govern surveys included in Group No. 193, which were approved by the Commissioner of the General Land Office, Dec. 14, 1927, and Assignment Instructions dated Dec. 15, 1928.

Survey commenced March 1st, 1929

Survey completed March 16th, 1929

BOOK A-510

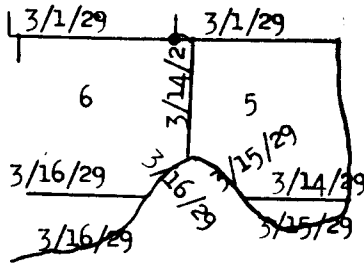
INDEX DIAGRAM.

Township 41 SOUTH, Range 21 EAST.

3	4				
6	5	10	4	3	2
9	12	7			1
12	11				
1	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
29	28	26	27	26	25
31	30	33	34	35	36

T. 41 S., R. 21 E.

DATE DIAGRAM



Chains

The survey of township 41 south, range 21 east, was executed with light mountain transit made by Buff and Buff, Serial No. 9797 used by Robert C. Yundt.

Township 41 south, range 21 east, was surveyed in conjunction with township 40 south, range 20 east, of this group. For full description and tests of instruments and methods of measurements, see the tests and descriptions given at the beginning of the survey of township 40 south, range 20 east.

I repeat the tests daily of the arcs, by noon observations, and verify the meridional indications at frequent intervals throughout the survey.

DEPENDENT RESURVEY OF THE 8TH STANDARD PARALLEL SOUTH THROUGH RANGE 21 EAST.

"Reestablishment of surveys executed by E.E. Miller, U.S. Deputy Surveyor in 1909".

From the standard corner of secs. 31 and 36, Tps. 40 S., Rs. 20 and 21 E., hereinafter described.

East, on random line, along the S. bdy. of sec. 31.

9.75 Intersect the witness cor. of Tps. 40 S., Rs. 20 and 21 E., hereinafter described.

"Reestablishment of surveys executed by Page and Lentz, U.S. Deputy Surveyors in 1899.

40.00 Fall 05 lks. South of the Standard $\frac{1}{4}$ sec. cor. for sec. 31, hereinafter described.

Therefore the true bearing of this half mile is N.89°56'E., and the distance is 40.00 chs.

Continue on same line with continuous measurement.

80.00 Fall 9 lks. south of the standard cor. for secs. 31 and 32, T. 40 S., R. 21 E., hereinafter described.

Therefore the true bearing of this half mile is N.89°56'E., and the distance is 40.00 chs.

From the standard cor. of secs. 31 and 32, T. 40 S., R. 21 E., hereinafter described.

East, on random line, along S. bdy. sec. 32.

40.00 Fall 5 lks. S. of the $\frac{1}{4}$ sec. cor., sec. 32, hereinafter described.

DEPENDENT RESURVEY OF THE 8TH STANDARD PARALLEL SOUTH
THROUGH RANGE 21 EAST.

- Chains The true bearing of this $\frac{1}{2}$ mile therefore is N.89°56'E.,
with distance of 40.00 chains.
- From the $\frac{1}{4}$ sec. cor., with continuous measurement.
- 77.57 Intersect the mean high water mark on the right bank
of the San Juan River. Unable to project line farther.
-
- From the stand. cor. of Tps. 40 S., Rs. 20 and 21 E.,
which is an iron post, 3 ins. diam., extending 10 ins.
above the solid sandstone, prop. mkd. and wit. as
described in the official record.
- N.89°56'E., on true line along S. bdy. sec. 31.
- Over broken bench land; through scattering undergrowth.
- Descend 200 ft. over precipitous east slope to Butler Wash.
75 ft. deep,
- 6.00 Butler Wash,/stream of clear water, 6 lks. wide, crse
S.35°W. Abrupt ascent of 200 ft. over slope of canyon
to top of rim.
- 8.17 The true point for the closing corner of Tps. 41 S., Rs.
20 and 21 E., witnessed 138 lks. south of the true
point, by an iron post, 3 ins. diam., firmly set,
properly marked and witnessed as described in the
official record of T. 41 S., R. 20 E. of this group.
- 9.75 South 1 lk. dist. is the wit. cor. of Tps. 40 S., Rs. 20
and 21 E., which is a sandstone, 20 x 10 x 3 ins.
prop. mkd. and witnessed as described in the official
record. This corner stands on top of sandstone rim,
100 ft. high, bearing NE. and SW. Continue ascent 50 ft.
- 28.20 Top of ascent, bears N. and S. Desc. 20 ft. over E. slope.
- 40.00 Intersect the stand. $\frac{1}{4}$ sec. cor., for sec. 31, which is
a sandstone 12x12x2 ins. mkd. SC on the S. face and $\frac{1}{4}$
on the N. face, with mound of stone N.
- At the exact corner point
- Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, with orig. cor. alongside, for stand. $\frac{1}{4}$ sec.
cor., for sec. 31, with brass cap marked

SC
 $\frac{1}{4}$ S 31

DEPENDENT RESURVEY OF THE 8TH STANDARD PARALLEL SOUTH
THROUGH RANGE 21 EAST.

Chains	Descend 20 ft. along E. slope.						
40.10	Bottom of swale; crse S.; ascend gradually along W. slope.						
48.17	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the solid sandstone, with sandstone 3x2x2 ins. mkd. X; deposited at the base, and in a large mound of stone to the top, for $\frac{1}{2}$ sec. cor., for sec. 6 only, with brass cap mkd.						
	<div style="text-align: center;"> $\frac{1}{2}$ S 6 1929. </div>						
55.30	Telephone line, bluff Utah to Mexican Hat, Utah bears NE. and SW.						
80.00	The stand. corner of secs. 31 and 32, T. 40 S., R. 21 E. which is a sandstone, 8x6x2 ins. properly mkd. and witnessed as described in the official record.						
	At the exact cor. point						
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the orig. cor. deposited alongside for the stand. cor. for secs. 31 and 32, with brass cap marked						
	<div style="text-align: center;"> <table border="1"> <tr> <td>S</td><td>C</td></tr> <tr> <td>T40S</td><td>R21E</td></tr> <tr> <td>S31</td><td>S32</td></tr> </table> 1929 </div>	S	C	T40S	R21E	S31	S32
S	C						
T40S	R21E						
S31	S32						
	and raise mound of stone $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N of the cor.						
	Land, broken bench; general drainage and exposure S.						
	Soil, sandy loam and surface sandstone; 3rd rate.						
	Undergrowth, black brush, amole plant and mountain rush.						
	Timber none						
	Poor grazing						
	<hr/>						
	N.89°56'E., on true line, along S. bdy sec. 32.						
	Over broken bench land, through scattering undergrowth.						
8.17	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with 1 qt. of charcoal and broken glass						

DEPENDENT RESURVEY OF THE 8TH STANDARD PARALLEL SOUTH,
THROUGH RANGE 21 EAST.

Chains	<p>deposited at the base, for the cor. of secs. 5 and 6</p> <p>T. 41 S., R. 21 E., with brass cap mkd.</p> <p style="text-align: center;">T40S R21E S32</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>S 6</td><td>S 5</td></tr> <tr> <td>T41S</td><td>R21E</td></tr> <tr> <td colspan="2">1929</td></tr> </table> <p>No other suitable accessories available.</p>	S 6	S 5	T41S	R21E	1929	
S 6	S 5						
T41S	R21E						
1929							
22.60	Trail bears NE. and SW.						
40.00	<p>The orig. stan. $\frac{1}{4}$ sec. cor., for sec. 32, which is a granite boulder, 18x12x5 ins. properly mkd. and</p> <p>wit. as described in the official record.</p> <p>At the exact cor. point</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the orig. cor. deposited alongside, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <p style="text-align: center;">SC $\frac{1}{4}$ S 32</p> <p style="text-align: center;">1929</p> <p>No other suitable accessories available.</p> <p>Thence</p> <p>East, on record course, with continuous measurement.</p> <p>Over nearly level bench land.</p>						
48.17	<p>Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with charcoal and broken glass deposited at the base, for $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S 5 1929</p> <p>No other suitable accessories available.</p>						
74.80	Road, bears NE. and SW.						
77.27	<p>On top of rim, 80 ft. high, bearing NE. and SW.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, to solid rock, deposit broken glass at base, and in a mound of stone to the top, for the stand.</p> <p>wit. meander cor. for sec. 32, with brass cap mkd.</p> <p style="text-align: center;">SC T40SR21E S32/ WMC</p> <p style="text-align: center;">1929</p> <p>No other suitable accessories available.</p>						
77.57	<p>The mean high water mark on the right bank of the San Juan River. The true cor. point falls on sloping</p>						

DEPENDENT RESURVEY OF THE 8TH STANDARD PARALLEL SOUTH,
THROUGH RANGE 31 EAST.

Chains

sandstone ledge, where corner cannot be set.

The standard corner for secs. 32 and 33, and the meander cor. for sec. 33, were destroyed by erosion of San Juan River.

Land, level bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush, amole plant and mountain rush.

Poor grazing.

SUBDIVISION OF T. 41 S., R. 21 E.

From the corner of secs. 5, and 6, T. 41 S., R. 21 E., heretofore described.

S. 0° 01' W., on true line bet. secs. 5 and 6.

Over nearly level bench land, through scattering undergrowth.

Descend 30 ft. over gentle S. slope, to $\frac{1}{4}$ sec. cor.

5.90 Trail, bears NE. and SW.

30.40 Trail, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with qt. of charcoal, deposited at the base, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S6 | S5
 1929

No other suitable accessories available.

70.70 North rim of the San Juan River, 125 ft. high, bears NE. and SW. 15 ft. below $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid sandstone, surrounded by mound of stone to the top, for wit. meander cor. for secs. 5 and 6, with brass cap marked

T41S, R21E
S 6 | S 5

WCMC
1929

No other suitable accessories available.

72.00 The mean high water mark on the right bank of the San Juan River, falls on sloping sandstone ledge, where

Chains

corner cannot be set.

Land, level bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 4th rate.

Timber, none. Undergrowth, black brush. Poor grazing.

Between secs. 5 and 8.

The cor. of secs. 5, 6, 7, and 8, and the cor. of secs. 4, 5, 8, and 9, falls in the river. A portion of the line bet. secs. 5 and 8, is on the right bank of the San Juan River, and to survey same, I proceed as follows: From the wit. meander cor. of secs. 5 and 6. N. 89° 58' E., on offset line through sec. 5.

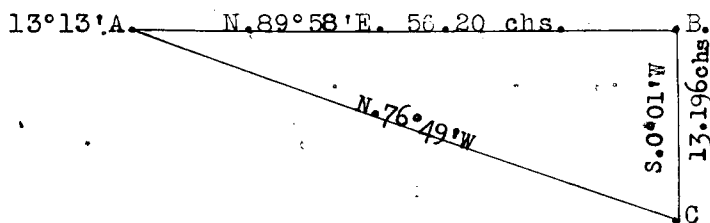
The line to the east, falls on the inaccessible breaks of the San Juan River, over which chaining is impracticable. Therefore to determine the dist. I triangulate as follows.

Erect flag A at the witness meander cor. of secs. 5 and 6, set flag B easterly. From B measure base line S. 0° 01' W., 13.196 chs. dist., the mean of two set of chainmen

by 1st set 13.195 chs.
by 2nd set 13.197 chs.

and erect

flag C. From C, flag A bears N. 76° 49' W.; the angle subtended at A is 13° 13'. The angles were checked by three repetitions and the bearing by deflection.



Distance by triangulation from A to B is 56.20 chs.

Thence from point C of triangulation, N. 0° 01' E., 3.90 chs. dist. to the 56.20 chs. point on line bet. secs. 5 and 8. Which is a southing of 80.00 chs. from the cor. of secs. 5 and 6 on the N. bdy.

Thence

S. 89° 58' W., on blank line bet. secs. 5 and 8 to a point at 34.68 chs. easting from the line bet. secs. 5 and 6.

SUBDIVISION OF T.41 S., R. 21 E.

Chains.

34.58 Intersect the mean high water mark on the right bank of the San Juan River, which falls on alluvial sand bank 5 ft. high, and subject to erosion. Impracticable to set corner here.

Thence, counting distances from true position for cor. of secs. 5, 6, 7, and 8. N. 89° 58' E., on true line bet. secs. 5 and 8.

Over broken bench land, along right bank of the San Juan River, through scattering cottonwoods.

36.08 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass deposited at base, for the witness meander corner bet. secs. 5 and 8, with brass cap marked

	T41S R21E
	S 5
WMC	S 8
	1929

No other suitable accessories available.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the sec. cor., with brass cap mkd.

	S 5
+	S 8
	1929

from which

A cottonwood, 3 ins. diam., bears S. 35° 00' W., 160 lks. dist., mkd. S 8 B T.

A cottonwood, 3 ins. diam., bears N. 8° 00' W., 180 lks. dist., mkd. S 5 B T.

53.30 Top of small gravelly spur, projects SW.

For reference point: Set a cobble stone, 16 x 9 x 7 ins. 10 ins. in the ground, mkd. W P on north face,

from which

A cottonwood, 31 ins. diam., bears S. 21° 50' W., 285 lks. dist., mkd. T.41S. R 21 E S 8 W P B T.

55.00 Bottom of draw, course SW.

56.00 Road, bears NE. and SW.

56.30 Point determined by offset line.

58.00 Top of sand spur, projects S.

SUBDIVISION OF T.41 S., R. 21 E.

Chains

73.50 Intersect the right bank of the San Juan River, at mean high water mark, which falls on overhanging sandstone ledge, 50 ft. high, directly over the mean high water mark.

Set an iron post, 16 ins. long, 1 in. diam., 14 ins. in the solid sandstone, for the ^{witness} meander corner of secs. 5 and 8, with brass cap mkd.

T41S	
S 5	
S 8	WMC
R21E	
1929	

raise mound of stone, 2½ ft high, 3 ft. base, W. of the corner.

Soil, sandy loam and gravelly; with surface sandstone; 3rd rate.

Land, broken bench along San Juan River; general drainage and exposure S.

Timber, scattering cottonwood.

Undergrowth, black brush.

Poor grazing.

From the cor. of secs. 1, 6, 7, and 12, on the W. bdy., which is an iron post, 2 ins. diam., extending 6 ins. above ground, properly mkd. and witnessed as described in the official record.

N.89°56'E., on true line bet. secs. 6 and 7.

Over broken bench land, through scattering undergrowth. Descend 80 ft. over broken SE. slope to the 24.30 chs. point.

7.00 Bottom of draw, course S.

9.00 Cobblestone spur, slopes S.

14.70 Bottom of rocky draw, course SW.

16.80 Top of sandstone spur, projects S.

24.30 Bottom of rocky draw, course SE. Ascend 65 ft. to the ¼ sec. cor.

28.90 Top of spur, projects SW.

Chains

38.50.

Bottom of draw, course SW.

40.00

On west slope of cobble stone bench.

Set an iron post, 37 ins. long, 1 in. diam., 12 ins. in the ground, with broken glass deposited at base, and surrounded by mound of stone, for the 1 sec. cor. with brass cap mkd.

S 6

S 7

1929

Ascend 10 ft. over west slope.

41.20

Top of bench, bears NE. and SW. Thence over top of bench.

56.46

Right rim of the San Juan River, 130 ft. high, bears NE. and SW.

Set an iron post, 14 ins. long, 1 in. diam., 12 ins. in the solid sandstone, for the witness meander cor. of secs. 6 and 7, with brass cap mkd.

T41S

S 6

S 7

R21E

1929

WMC

58.00

Intersect the mean high water mark on the right bank of the San Juan River. The true point for the meander corner falls on sloping ledge, where it is impracticable to set cor.

Land, broken bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush.

Poor grazing.

MEANDERS OF T. 41 S., R. 21 E.

From the true point for the meander cor. of sec. 32, T. 40 S., R. 21 E., herein set & described. This corner also refers to sec. 5, T. 41 S., R. 21 E. Thence with the meanders, downstream, on the right bank

MEANDERS OF T. 41 S., R. 21 E.

Chains

of the San Juan River, in sec. 5,

Along sloping sandstone ledge.

S.14°30'W., 4.64 chs.

S.15°00'W., 6.30 chs.

S.4°30'W., 7.40 chs.

S.10°30'E., 7.80 chs.

S.5°30'E., 6.90 chs. Thence the meander line runs along sandstone ledge, 20 to 50 ft. vertically above the mean high water mark.

S.9°00'W., 21.80 chs.

S.10°00'E., 8.70 chs.

S.18°30'E., 6.00 chs.

S.24°45'E., 7.10 chs.

S.26°00'E., 4.50 chs.

S.12°00'E., 1.30 chs. The meander cor. of secs. 5 and 8, herein described.

Land, broken bench; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 4th rate.

Timber, none.

Undergrowth, none.

Thence with the meanders, downstream on the right bank of the San Juan River, in sec. 8.

Along sandstone ledge, 20 to 40 ft. high, vertically over the mean high water mark.

S.3°00'W., 1.50 chs.

S.29°30'W., 2.20 chs. Thence along, cut alluvial sand bank.

S.42°00'W., 9.00 chs.

S.47°15'W., 4.60 chs.

N.82°00'W., 4.60 chs.

N.68°00'W., 3.60 chs.

N.63°00'W., 16.80 chs.

N.57°00'W., 6.80 chs. The true point for the meander cor. bet secs. 5 and 8 at N.89°58'E.; 34.68 chs. dist. from true cor. point.

Land, broken bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 4th rate.

Timber, none.

Chains

Undergrowth; none.

Thence with the meander along the right bank of the San Juan River, in sec. 5.

Along alluvial sand bank, through scattering growth of small cottonwoods.

N.62°00'W., 12.40 chs.

N.58°00'W., 12.00 chs.

N.75°00'W., 2.26 chs. Leave alluvial sand bank, thence along sloping sandstone ledge.

S.66°45'W., 12.30 chs. The true point for the meander cor. of secs. 5 and 6.

Land, broken bench; general drainage and exposure S.

Soil, alluvial sand and surface sandstone; 4th rate.

Timber, small cottonwood.

Undergrowth, none.

Thence with the meander along the right bank of the San Juan River in sec. 6.

Along sloping sandstone ledge.

S.65°30'W., 12.70 chs. At 3.30 chs. rocky draw, drains from NW.

S.72°00'W., 6.40 chs.

S.78°56'W.; 4.37 chs. At 2.00 chs. mouth of narrow box canyon. drains from N. At 4.37 chs. intersect the true point for the meander cor. of sec. 6 and 7.

Land, broken bench; general drainage and exposure S.

Soil, alluvial sand and surface sandstone; 4th rate.

Timber, none.

Undergrowth, none.

Thence with the meander downstream along the right bank of the San Juan River, in sec. 7.

Along sloping sandstone ledge.

S.79°00'W., 1.60 chs.

S.59°00'W., 10.15 chs.

S.49°15'W., 7.70 chs.

S.59°00'W., 3.80 chs. At 2.50 chs. bottom of draw,
drains from north.

S.74°45'W., 4.70 chs.

S.85°30'W., 20.90 chs. At 6.70 chs. bottom of draw,
drains from N.

S.50°04'W., 17.33 chs. The true point for the meander
corner bet. secs. 7 and 12,
which is at 26.49 chs. southing
from the cor. of secs. 1, 6, 7
and 12, on the W. bdy.

Land, broken bench; general drainage and exposure S.

Soil, alluvial sand and surface sandstone; 4th rate.

Timber, scattering cottonwood.

Undergrowth, none.

FINAL TEST OF SOLAR ATTACHMENT

March 17: In camp approximately 30 chs. NE. of the

Standard cor. of T. 40 S., Rs. 20 and 21 E., at 9h

Om a.m. app. t. I set off 37°16'N., on the lat arcs;

1°20'S. on the decl arc and orient the instrument

with the solar; the line of sight agrees with the

meridian established by Polaris observation.

At 3h Om p.m. app.t., I set off 37°16'N., on the lat.

arc; 1°14'S. on the decl arc; and repeat the test

of the solar; the line of sight agrees with the

meridian established by Polaris.

GENERAL DESCRIPTION

The land embraced in this fraction of township 41

south, range 21 east, is rolling bench, covered

with scattering growth of black brush and sand

grass. The soil is sandy loam with much exposed

surface sandstone, with sandstone bedrock; 4th rate.

The only industry is winter grazing of sheep and cattle.

The forage shows many years of over grazing. There

is no land suitable for farming.

The San Juan River forms the east and south boundaries,

There is no water in the township.

Bluff, Utah is nearest settlement, about 6 miles north-
east.

There ~~is~~ no settler in the township.

There was no surface indication of mineral.

The magnetic declination was ~~not~~ taken on account of defective needle.

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... ..
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... ..

1964

雜記

CERTIFICATE OF UNITED STATES SURVEYOR

I, Robert C. Yundt, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for District No. 6 bearing date of the 22nd day of November, 1927, I have well, faithfully, and in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, resurveyed and surveyed all those parts or portions of T. 41 S., R. 21 E. of the Salt Lake Base and Meridian, in the State of Utah, which are represented the foregoing field notes as having been executed by me, and under my direction; and that all the corners said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for District No. 6 and in the specific manner described in the field notes, and that the foregoing are the original field notes such survey. Salt Lake City, Utah Jan. 21, 1932

Robert C. Yundt

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver Colo. JUN 28 1932, 1932

The foregoing field notes of the ~~survey~~ resurvey and survey of portions of T. 40 S., R. 21 E., Salt Lake Base and Meridian, Utah.

executed by Robert C. Yundt under his special instructions dated Nov. 22, 1927, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wm. H. Brown
U. S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 40 S., R. 21 E., Salt Lake Base and Meridian, Utah. has been correctly copied from the original notes on file in this office.

U. S. Supervisor of Surveys.

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4-879
(April 1933)

RECEIVED

JAN 16 1932

Department Of The Interior
Public Survey Office
Salt Lake City, Utah

BOOK A-510

D

FIELD NOTES

EAST BOUNDARY, SUBDIVISIONAL AND

MEANDER LINES IN T.41 S., R.20 E.

ESTABLISHMENT OF $\frac{1}{4}$ SEC. COR. AND SEC. COR. ON THE

NORTH BOUNDARY OF T. 41 S., R. 20 E.

Of the SALT LAKE BASE AND Meridian,

In the State of UTAH

EXECUTED BY

CHAS. F. MOORE AND ROBERT C. YUNDT, SURVEYORS,

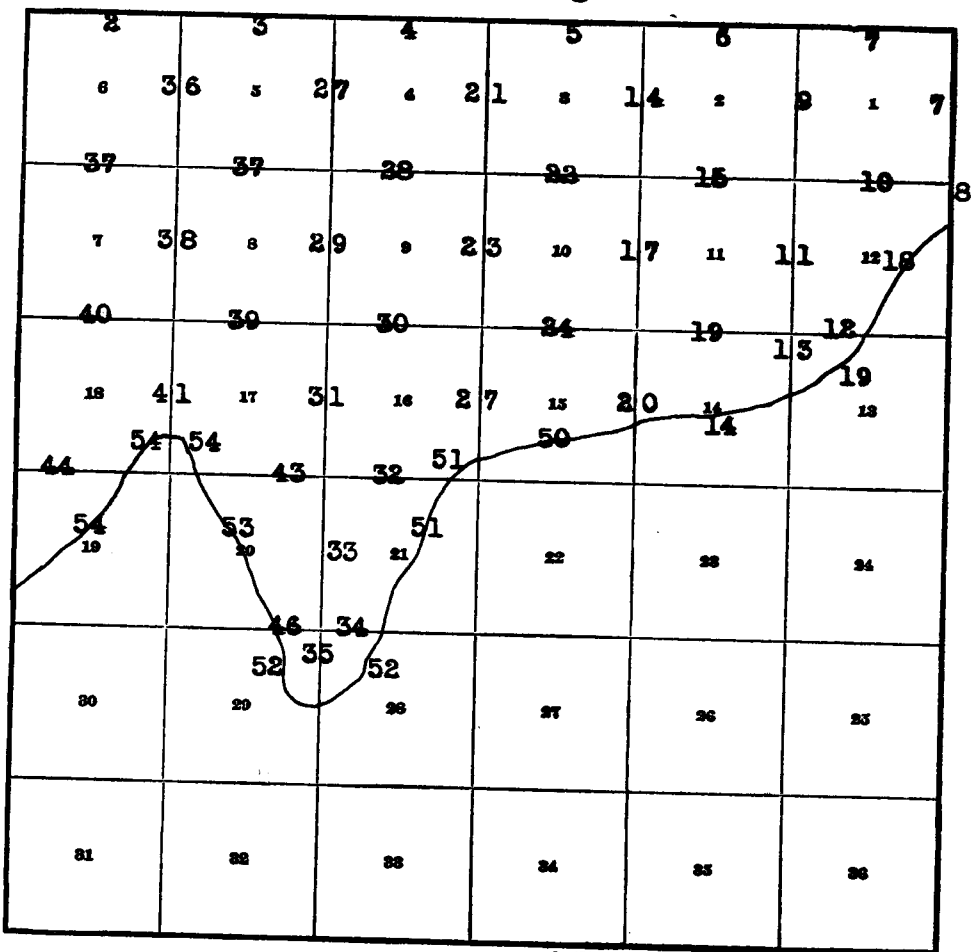
Under special instructions dated November 22, 1927, which provided
for the surveys included under Group No. 193, bearing the approval of the
Commissioner of the General Land Office under date of December 14, 1927,
and assignment instructions dated December 15, 1928.

Survey commenced March 13, 1929

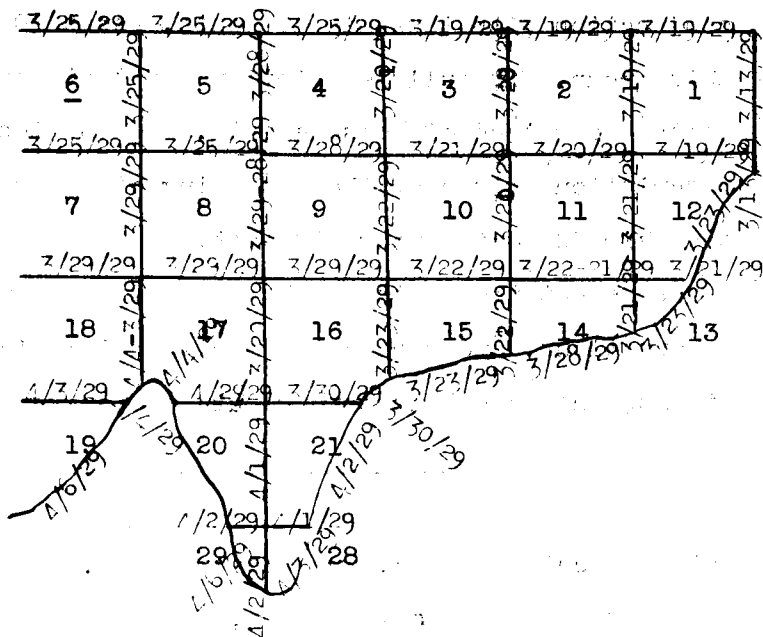
Survey completed April 6, 1929

INDEX DIAGRAM.

Township 41 SOUTH, Range 20 EAST



DATE DIAGRAM



Lines in red surveyed by Chas. F. Moore, U.S. Surveyor.
 Lines in black surveyed by Robt. C. Yundt, U.S. Surveyor.

Chains

The survey of township 41 south, range 20 east, was executed with light mountain transits made by Buff and Buff, Serial Nos. 9983 and 9797 used by Chas. F. Moor and Robert C. Yundt U.S. Surveyors, respectively.

Township 41 south range 20 east, was surveyed in conjunction with township 40 south, range 20 east, of this group. For full description and tests of instruments and method of measurements, see the tests and descriptions given at the beginning of the survey of township 40 south, range 20 east.

We repeat the tests of the arcs daily by noon observations, and verify the meridional indications at frequent intervals throughout the survey.

Establishment of $\frac{1}{4}$ sec. and sec. corners, along the 8th standard parallel south, through range 20 east, for township 41 south, range 20 east.

Note:- For topography see the official record of the survey of the 8th standard parallel south through range 20 east.

From the closing corner for T. 41 S., Rs. 19 and 20 E. which is an iron post 3 ins. in diam., extending 20 inches above ground, properly marked and witnessed as described in the official record of the survey of T. 41 S., R. 19 E. This corner is east 8.17 chs. distant from the standard corner of T. 40 S., Rs. 19 and 20 E.

East, along the 8th standard parallel south, through range 20 east, on N. bdy. of sec. 6.

31.63 The standard $\frac{1}{4}$ sec. cor. for sec. 31, which is an iron post 1 in. in diam., extending 8 ins. above ground, properly mkd. and witnessed as described in the official record.

Establishment of $\frac{1}{4}$ sec. and sec. corners, along the
8th standard parallel south, through range 20 east.,
for T. 41 S., R. 20 E.,

Chains
40.00

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in
the ground to bedrock, with sandstone, 6 x 4 x 4 ins.,
mkd. X, deposited at the base, and in a mound of
stone to top, for the $\frac{1}{4}$ sec. cor., for sec. 6 only,
with brass cap mkd.

$\frac{1}{4}$ S 6
1929

71.83

The standard corner for secs. 31 and 32, T. 40 S.,
R. 20 E., which is an iron post, 3 ins. diam.,
extending 10 ins. above ground, properly mkd. and
witnessed as described in the official record.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins.
in the ground, with a sandstone, 7 x 6 x 6 ins.
mkd. X, deposited at the base, for the corner of
secs. 5 and 6, T. 41 S., R. 20 E., with brass cap
mkd.

T41S | R20E
S 6 | S 5

1929

No other suitable accessories available.

East, along the 8th standard parallel south, through
range 20 east, on north boundary of sec. 5.
for sec. 32,

31.83

The standard $\frac{1}{4}$ sec. cor., which is an iron post, 1 in.
in diam., extending 10 ins. above ground, properly
mkd. and witnessed as described in the official
record.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in
the ground to bedrock, surrounded by mound of stone
to top, for the $\frac{1}{4}$ sec. cor., for sec. 5, with brass
cap mkd.

$\frac{1}{4}$ S 5
1929

and raise
a mound of stone 2 ft. base, $1\frac{1}{2}$ ft high, south of
the cor.

71.83

The standard corner for secs. 32 and 33, which is an

Establishment of $\frac{1}{4}$ sec. and sec. cor., along the
8th standard parallel south, through range 20 east,
for T. 41 S., R. 20 E.

Chains

iron post, 3 ins. in diam., extending 14 ins. above
ground, properly mkd. and witnessed as described in
the official record.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins.
in the ground, for the cor. of secs. 4 and 5, T.
41 S., R. 20 E., with brass cap mkd.

T41S R20E
S 5 S 4
1929

and raise
mound of stone, 2 ft. base and $1\frac{1}{2}$ ft. high south of
the corner.

East, along the 8th standard parallel south, through
range 20 east, on north boundary of sec. 4.

31.83 The standard $\frac{1}{4}$ sec. cor., for sec. 33, which is an
iron post, 1 in. in diam., extending 10 ins.
above ground, surrounded by mound of stone, properly
mkd. and witnessed as described in the official
record.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins.
in the ground to bedrock, and in a mound of stone
to the top, for the $\frac{1}{4}$ sec. cor., ^{sec. 4 only} with brass cap mkd.

$\frac{1}{4}$ S 4
1929

and raise
a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, south
of the corner.

71.83 The standard cor. for secs. 33 and 34, T. 40 S., R. 20
E., which is an iron post, 3 ins. in diam., extending
10 ins. above ground, properly mkd. and witnessed
as described in the official record.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in
the ground, for the cor. of secs. 3 and 4, T. 41 S.,
R. 20 E., with brass cap mkd.

Establishment of $\frac{1}{4}$ sec. and sec. cor., along the
8th standard parallel south, through range 20 east,
for T. 41 S., R. 20 E.

Chains

T41S R20E
S 4 S 3

1929

and raise
mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, S. of
the corner.

East, along the 8th standard parallel south, through
range 20 east, on north boundary of sec. 3.

31.83 The standard $\frac{1}{4}$ sec. cor., for sec. 34, which is an iron
post, 1 in. in diam., extending 12 ins. above ground,
properly marked and witnessed as described in the
official record.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., over
X cut in solid surface rock, and in a large mound of
stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 3
only, with brass cap mkd.

$\frac{1}{4}$ S 3
1929

71.83 The standard corner for secs. 34 and 35, T. 40 S.,
R. 20 E., which is an iron post, 3 ins. in diam.,
extending 12 ins. above ground, properly mkd. and
witnessed as described in the official record.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over X cut
in solid surface rock, and in a large mound of stone
to the top, for the cor. of secs. 2 and 3, T. 41 S.,
R. 20 E., with brass cap mkd.

T41S R20E
S 3 S 2
1929

East, along the 8th standard parallel south, through
range 20 east, on the north boundary of sec. 2.

31.83 The standard $\frac{1}{4}$ sec. cor., for sec. 35, which is an
iron post, $\frac{1}{2}$ in diam., extending 8 ins. above ground, properly
mkd. and witnessed as described in the official
record.

Establishment of $\frac{1}{4}$ sec. and sec. cor., along the 8th standard parallel south, through range 20 East, for T. 41 S., R. 20 E.

Chains
40.00

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., for sec. 2 only, with brass cap mkd.

$\frac{1}{4}$ S 2
1929

and raise

mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of the corner.

71.83 The standard corner for secs. 35 and 36, T. 40 S., R. 20 E., which is an iron post, 3 ins. in diam., extending 10 ins. above ground, properly mkd. and witnessed as described in the official record.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., over X cut in solid surface rock, surrounded by mound of stone to the top, for the cor. of secs. 1 and 2, T. 41 S., R. 20 E., with brass cap mkd.

T41S | R20E
S 2 | S 1
1929

East, along the 8th standard parallel south, through range 20 east, on north boundary of sec. 1

31.83 The standard $\frac{1}{4}$ sec. cor., for sec. 36, which is an iron post, 1 in. diam., extending 10 ins. above ground, properly mkd. and witnessed as described in the official record.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid bedrock, with a sandstone 12 x 10 x 8 ins. mkd X, deposited at the base, and in a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., for sec. 1 only, with brass cap mkd.

$\frac{1}{4}$ S 1
1929

71.83 The standard cor. of T. 40 S., R. 20 and 21 E., which is an iron post, 3 ins. diam., extending 10 ins. above ground, properly mkd. and witnessed as described in the official record.

Establishment of $\frac{1}{4}$ sec. cor. and sec. cor., along the
8th standard parallel south, through range 20 east
for T. 41 S., R. 20 E.

Chains

80.00

The true point for the closing cor., of T. 41 S., Rs.
20 and 21 E., falls on sloping ledge, where it is
impracticable to set cor.

Thence

South, 1.38 chs., to a point at which

Set an iron post, 3 ft. long, 3 ins. diam., 14 ins. in
the ground, to bedrock, surrounded by mound of stone
to the top, and deposited a sandstone, 9x8x6 ins mkd.
X at the base, for the witness closing cor. of Tps.
41 S., Rs. 20 and 21 E., with brass cap mkd.

WC

T40S R21E

S31

S 1 S 6

R20E R21E

T41S

CC

1929

EAST BOUNDARY OF T. 41 S., R. 20 E.

From the true point for the closing cor. of T. 41 S.,
Rs. 20 and 21 E., herein described.

South, on true line between secs. 1 and 6.

Over broken mesa land, through medium growth of under-
growth. Abrupt ascent over N. slope.

1.38 The witness closing corner of T. 41 S., Rs. 20 and 21
E. This corner stands on top of rim of Butler Wash,
75 ft. high, bears NE. and SW. Continue ascent of 30
ft. over gentle N. slope, to $\frac{1}{4}$ sec. cor.

35.80 Trail bears NE. and SW.

40.00 On top of small bench of barren sandstone.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in
solid sandstone, and surrounded to the top in a large
mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 1 S 6

1929

Descend 5 ft. over S. slope.

Chains 54.00 78.00 80.00	Bottom of draw, course SW.; ascend 65 ft. along E. slope Top of small ridge, bears E. and W.; descend 10 ft. along S. slope. Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, and deposit sandstone, 5 x 4 x 3 ins. mkd. X, at base, for the cor. of secs. 1, 6, 7, and 12, with brass cap marked
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T 41 S.	
R20E	R21E
S 1	S 6
<hr/>	
S12 S 7	
1929	

No other suitable accessories available.

Land, broken bench with general southwesterly drainage and exposure.

Soil, sandy loam and surface sandstone; 4th rate.

Timber, none

Undergrowth, black brush, amole plant and mountain rush.

Poor grazing.

South bet. secs. 7 and 12.

Over rough broken mesa land, through medium growth of undergrowth. Desc. 225 ft. to meander cor.

5.00 7.70 20.90 24.80 25.01	Rocky draw, course SW. Top of small spur, projects SW. Bottom of small draw, course SW. Top of small spur, projects SW. Top of sandstone rim, 100 ft. high, bears N.80°00' E., and S.80°00' W. The true point for the meander corner falls on alluvial sand bank, where it is impracticable to set cor., so at this point Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with sandstone 6x5x4 ins. mkd. X deposited at the base, and surrounded by mound of stone to the top, for the witness meander corner, for secs. 7 and 12, with brass cap marked
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EAST BOUNDARY OF T. 41 S., R. 20 E.

Chains

T 41 S
R20E | R21E
S 7 | S12

WC MC
1929

26.49 Intersect the right bank of the San Juan River, at the mean high water mark.

Land, rough and broken mesa, with general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, blackbrush, amole plant and mountain rush.

Grazing poor.

SUBDIVISION OF T.41 S., R. 20 E.

From the corner of secs. 1 and 2, T. 41 S., R. 20 E., on the N. bdy, herein described.

S.0°01'E., on true line between secs. 1 and 2.

Over broken mesa land, through scattering undergrowth.

Ascend 65 ft. over NW. slope.

3.50 Top of sandstone spur, projects NE. Descend 265 ft. over broken SE. slope to the $\frac{1}{4}$ sec. cor.

7.80 Bottom of draw, 100 ft. deep, course NE.

20.00 Bottom of draw, course E.

27.80 Bottom of draw, course E.

33.20 Bottom of rocky draw, course SE.

40.00 On sloping sandstone surface rock, on gentle SE. slope. Set an iron post, 12 ins. long, 1 in. in diam., 9 ins. in the solid rock, for the $\frac{1}{4}$ sec. cor., with brass brass cap mkd.

$\frac{1}{4}$
S 2 | S 1
1929

from which

A juniper 5 ins. diam., bears S.50°30'W., 133 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.

No other accessories available.

Subdivision of T. 41 S., R. 20 E.

Chains	
	Descend very gentle SE. slope, through scattering timber and medium undergrowth.
73.60	Bottom of draw, course SE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with qt. of charcoal deposited at base, for the cor. of secs. 1, 2, 11 and 12, with brass cap mkd.
	<div style="text-align: center;"> T41S R20E S 2 S 1 S11 S12 1929 </div>
	from which
	A juniper, 5 ins. diam., bears N. 2° 15' W., 625 lks. dist., mkd. S 2 B T.
	No other suitable accessories available.
	Land, rough and broken; general drainage and exposure S
	Soil, sandy loam and surface sandstone; 4th rate.
	Timber, very scattering juniper.
	Undergrowth, blackbrush, yellow top and mountain rush.
	Poor grazing.
	East on random line between secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the cor. of secs. 1, 6, 7 and 12, on the E. bdy.
	Thence
	West on true line between secs. 1 and 12.
	Ascend 25 ft. over gentle SE. slope, through medium growth of undergrowth.
10.50	Top of ridge, bears NE. and SW.; desc. 95 ft. over W. slope.
24.80	Top of sandstone rim, 100 ft. high, bears NE. and SW.
30.00	Bottom of Butler Wash, course SW.; 150 ft. below rim.
34.00	Top of sandstone rim, 100 ft. high, bears NE. and SW.
	Continue ascent of 85 ft. over SE. slope.
40.00	On sloping sandstone
	Set an iron post, 12 ins. long, 1 in. in diam., 9 ins.

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

in the solid rock, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 1

S 12

1929

from which

A lone pinon, 5 ins. in diam., bears N. 40°45'W.,

503 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.

Continue ascent of 85 ft. over gentle SE. slope. to

53.80 Top of ascent bears NW. and SE. Thence along gentle W. slope.

61.20 Bottom of sandy draw, course SE.

73.00 Enter scattering timber bears N. and S.

80.00 The cor. of secs. 1, 2, 11 and 12.

Land, rough and broken; general drainage and exposure SE. and SW.

Soil, sandy loam and surface sandstone; 4th rate.

Timber, scattering juniper and pinon.

Undergrowth, blackbrush, yellow top and mountain rush.

Poor grazing.

S. 0°01'E., between secs. 11. and 12.

Over rough and broken bench land, through very scattering timber and medium growth of undergrowth.

Gradual ascent over broken NE. slope of 30 ft. to

$\frac{1}{4}$ sec. cor.

17.30 Bottom of small draw, course SE.

40.00 Set an iron post, 14 ins. long, 1 in. diam., 10 ins.

in the solid sandstone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 11

S 12

1929

and raise

mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of the corner.

SUBDIVISION OF T.41 S., R.20 E.

Chains

entire

- Continue ascent of 15 ft. over broken NE. slope, to top of ridge.
- 41.00 Top of sandstone spur, projects SE.
- 47.60 Bottom of rocky draw, course SE.
- 55.00 Top of ridge, bears E. and W. Descend 380 ft. over broken S. slope, to sec. cor.
- 60.50 Top of spur, projects SE.
- 61.00 Bottom of draw, course SE.
- 61.60 Sandstone rim, 150 ft. high, bears NE. and SW.
- 70.00 Enter growth of small cottonwood trees, bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, and deposit broken glass at the base for the corner of secs. 11, 12, 13, and 14, with brass cap mkd.

T41S R20E.

S11 | S12

S14 | S13

1929

- from which
- A cottonwood, 5 ins. in diam., bears S.55°00'E., 170 lks. dist., mkd. T 41 S R 20E S 13 B T.
- A cottonwood, 3 ins. in diam., bears S.14°15'W., 303 lks. dist., mkd. B T.
- A cottonwood, 4 ins. diam., bears N.83°45'W., 80 lks. dist., mkd. T 41 S R 20 E S 11 B T.
- Land, rough and broken; general drainage and exposure easterly.
- Soil, sandy loam and surface sandstone; 4th rate.
- Timber, juniper and cottonwood.
- Undergrowth, blackbrush, amole plant and mountain rush.
- Grazing poor.

East, on true line between secs. 12 and 13.

Over bottom land, through medium growth of cottonwood timber.

11.80 Indian hogan on line.

SUBDIVISION OF T. 41 S. R. 20 E.

Chains
20.60

The true point for the meander cor. for secs. 12 and 13 falls on sand bank and is liable to be washed away, so at this point

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the witness meander corner, for secs. 12 and 13, with brass cap mkd.

T41S
S12

WMC

S 13
R20E
1929

from which

A cottonwood, 14ins diam., bears S.54°45'W., 125 lks. dist., mkd. WMC T41S R20E S 13 B T.

A cottonwood, 8 ins. diam., bears N.45°15'W., 173 lks. dist., mkd. WMC T41S R20E S 12 BT.

21.65

Intersect the mean high water mark of the San Juan River, on the right bank, sandbank subject to washing makes it impracticable to set corner.

Land, river bottom.

Soil, sandy loam and gravelly; 4th rate.

Timber, cottonwood.

Undergrowth, cottonwood.

Poor grazing.

From the cor. of secs. 11, 12, 13 and 14, heretofore described.

S.0°01'E., bet secs. 13 and 14.

Over bottom land, through medium growth of timber.

13.98

The true point for the meander corner of secs. 13 and 14, falls on sandy bank, subject to washing.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins.

in the ground, deposit broken glass at the base,

for the witness meander corner of secs. 13 and 14,

with brass cap mkd.

SUBDIVISION OF T. 41 S. 20 R. 20 E. 202

Chains

T41S R20E

S14 S13

WMC

1929

from which

A cottonwood, 14 ins. diam., bears S.86°30'E.,

28 lks. dist., mkd. WMC T41S R20E S 13 B T.

A cottonwood, 30 ins. diam., bears N.57°45'W., 71

lks. dist., mkd. WMC T41S R20E S 14 B T.

14.54

Intersect the mean high water mark on the right bank
of the San Juan River. Impracticable to set corner
at this point.

Land, river bottom.

Soil, sandy loam and gravelly; 4th rate.

Timber, cottonwood.

Undergrowth, cottonwood.

Poor grazing.

From the corner of secs. 2 and 3 on the N. bdy.,
heretofore described.

S.0°01'E., on true line between secs. 2 and 3.

Over broken mesa land, through scattering undergrowth.

Descend 260 ft. over general SE. slope, to the $\frac{1}{4}$ sec.
corner.

2.50

Small draw, course SE.

6.90

Rocky spur, projects SE.

11.20

Draw, course SE.

12.30

Spur, projects SE.

21.40

Draw, course SE.

22.50

Telephone line, bears NE. to Bluff Utah and SW to
Mexican Hat.

31.40

Spur, projects SE.

40.00

Set an iron post, 30 ft. long, $\frac{1}{4}$ in. in diam., 30 ins.
in the ground, with limestone, 6 x 6 x 3 ins. mkd
X, deposited at the base, for the $\frac{1}{4}$ sec. cor., with
brass cap mkd.

$\frac{1}{4}$
S 3 | S 2
1929

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

Continue descent of 15 ft.
59.30 Small draw, course SE.; ascend 30 ft.
63.80 Small spur, projects SE.; descend 75 ft.
67.90 Right bank of Comb Wash, 15 ft. high; bears NE. and SW.
vd hence down bottom of wash.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins.
in the ground, for the corner of secs. 2, 3, 10 and
11, with brass cap mkd.

T41S R20E
S 3 | S 2
S10 | S11
1929

and raise
mound of stone, 2 ft. base, 1½ ft. high, W. of
the corner.

This corner stands in the bottom of Comb Wash,
which is subject to many big floods, Therefore I
run West, 5.00 chs. dist., and

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
the ground to solid rock, and deposit sandstone,
4 x 4 x 4 ins. mkd. X at the base, and surrounded
by mound of stone to the top, for the witness
corner of secs. 2, 3, 10 and 11, with brass cap
mkd.

T41S R20E
S 3 | S 2
S10 | S11
1929 WC

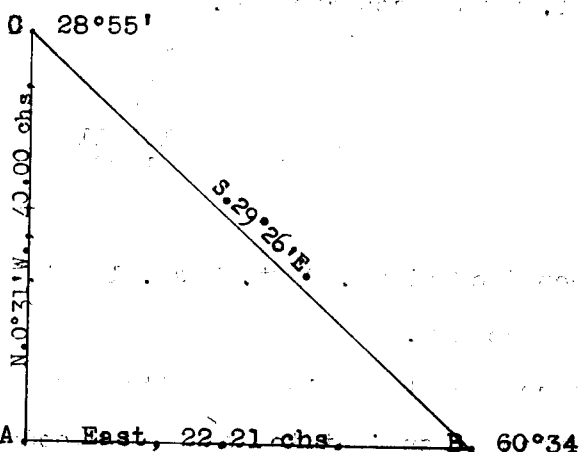
Land, rough and broken, general drainage and exposure SE.
Soil, sandy loam and surface sandstone; 4th rate.
Timber, none.
Undergrowth, blackbrush and shadscale.
Poor grazing.

East, on random line between secs. 2 and 11.
The line to the east ascends over the vertical rim
of Comb Wash, over which chaining is impracticable,
therefore to determine the distance I triangulate as
follows:

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

I designate the cor. of secs. 2, 3, 10 and 11 as A, and erect flag B on line to the east, and survey base line N. 0° 31' W., 40.00 chs. dist. and erect flag C; from which flag B bears S. 29° 26' E. The angle subtended at B is 60° 34'. All angles checked by repetition with error of 20" balanced to 180°. Vertical angle from A to B is plus 15½°.



Distance by triangulation-----22.21 ch

- 22.21 Point B. of triangulation.
- 40.00 Set temp. ¼ sec. cor.
- 79.98 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence

N. 89° 52' W., on true line between secs. 2 and 11.

Over broken bench land, through very scattering timber, and medium growth of undergrowth.

- 34.00 Bottom of rocky draw, course NE. from NW.
- 35.00 Top of small sandstone spur, projects N.
- 36.50 Bottom of same rocky draw, course NE.
- 39.99 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, surrounded by mound of stone to the top, for the ¼ sec. cor., with brass cap mkd.

S 2

S 11

1929

from which

SUBDIVISION OF T. 41 S., R. 20 E.

Chains	<p>A juniper, 3 ins. diam., bears N.51°30'E., 109 lks. dist., mkd. B T.</p> <p>A juniper, 3 ins. diam., bears S.72°00'W., 138 lks., dist. mkd. B T.</p> <p>Ascend 100 ft. over east slope to top of Comb Wash ridge.</p> <p>40.80 Top of sandstone spur, projects SE.</p> <p>44.50 Bottom of rocky draw, course SE.</p> <p>47.70 Top of sandstone spur, projects S.</p> <p>52.50 Bottom of narrow rocky draw, course S.</p> <p>57.77 Top of Comb Wash ridge, bears NE. and SW. Also top of sandstone ledge, 100 ft high. Abrupt descent.</p> <p>72.00 Foot of precipitous slope, bears NE. and SW. Thence across bottom of Comb Wash.</p> <p>79.00 Stream of water, 4 lks. wide, course SW.</p> <p>79.98 The cor. of secs. 2, 3, 10 and 11. 405 ft. below top ridge.</p> <p>Land, rough and broken; general drainage and exposure E.</p> <p>Soil, sandy loam and surface sandstone; 4th rate.</p> <p>Timber, very scattering juniper.</p> <p>Undergrowth, blackbrush, mountain rush and yellow top.</p> <p>Grazing poor.</p> <hr/> <p>S.0°01'E., bet. secs. 10 and 11.</p> <p>Along bottom of Comb Wash.</p> <p>1.00 Stream of water, 4 lks. wide, course SW.</p> <p>10.00 Leave bottom of Comb Wash, bears NE. and SW. Commence abrupt ascent over precipitous slope and vertical ledges, over which chaining is impracticable.</p> <p>Therefore to determine the distance, I return to the cor. of secs. 2, 3, 10 and 11 and triangulate as follows:</p> <p>Erect flag A at this cor. and set flag B on line to the south. From A measure base line, West 10.017 chs. dist., the mean of two set of chainman,</p> <p>by 1st set 10.018 chs.</p> <p>by 2nd set 10.016 chs.</p> <p>and erect flag C. Longer base line impracticable.</p>
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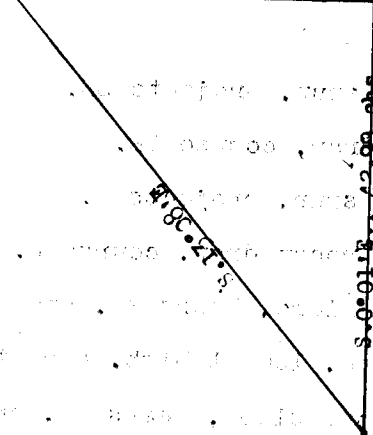
SUBDIVISION OF T. 41 N. 3. E. 20 E.

Chains

From C flag B bears S 13° 07' E., distant A

The angle subtended at B is 13° 07'. All angles by three repetitions with error of 30" balanced to 180°. The vertical angle from A to B is plus 10°.

C West 10.017 chs. to A



Distance by triangulation-----42.99 chs.

Distance by return measurement-----42.36 " 0.63 "

40.00 Point for the $\frac{1}{4}$ sec. cor., falls on inaccessible ledges, where it is impracticable to set corner.

42.36 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, deposit broken glass at base, surrounded by mound of stone to the top, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

WC
 $\frac{1}{4}$

S 10 | S 11

1929

500 ft. above sec. c

42.99 Triangulation point, on top of Comb Wash ridge, bears NE. and SW. Descend 45 ft. over SE. slope.

45.40 Bottom of draw, course NE. Ascend 15 ft. over NE. slope.

55.00 Top of rocky spur, projects NE. Descend 125 ft. over broken SE. slope, to draw at 72.20 chs.

61.20 Draw, course NE.

72.20 Bottom of draw, course SE. Ascend 10 ft. over NE. slope.

80.00 Set an iron post, ^{2 ins. diam.} 12 ins. long, 9 ins. in the solid rock, for the cor. of secs. 10, 11, 14 and 15, with brass cap mkd.

1929

Subdivision of T. 41 S., R. 20 E.

Chains

T41S R20E

S10 S11

S15 S14

1929

from which

A juniper 3 ins. diam., bears N.18°45'E., 182 lks.
dist., mkd. B T.

A juniper, 3 ins. diam., bears S.44°00'E., 268 lks.
dist., mkd. B T.

A juniper 3 ins. diam., bears S.42°00'W., 180 lks.
dist., mkd. B T.

A juniper, 3 ins. diam., bears N.58°15'W., 54 lks.
dist., mkd. B T.

Land, rough and broken; general drainage and exposure NW.
and E.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper.

Undergrowth, black brush, shadscale and yellow top.

Poor grazing.

S.89°52'E., on random line between secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
11, 12, 13 and 14.

N.89°49'W., on true line between secs. 11 and 14.

Thence across bottom land of the San Juan River,
through heavy growth of cottonwood.

17.00 Leave river bottom bears NE. and SW. Commence ascent
of 245 ft. over SE. slope, to the $\frac{1}{4}$ sec. cor.

21.00 Abrupt ascent over sandstone ledges, bearing NE. and SW.

23.00 Approximate location of old road, bears NE. and SW.,
from Escalante to Bluff Utah.

26.60 Top of small rocky hill.

40.00 On top of sandstone spur, projects S.15°W.

Set an iron post, $\frac{1}{4}$ in. diam. long, 10 ins. in the solid
rock, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 11

$\frac{1}{4}$

S 14

1929

SUBDIVISION OF T. 41 S. R. 20 E.

Chains	
	and raise mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of the corner.
	Descend 240 ft. over SW. slope.
52.60	Draw, course SE. Ascend 230 ft. over E. slope.
69.00	Top of cobblestone spur, projects SW. Descend 155 ft. over NW. slope.
75.00	Bottom of draw, course SE. Ascend 40 ft. over E. slope.
80.00	The cor. of secs. 10, 11, 14 and 15.
	Land, rough and broken; general drainage and exposure S.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, juniper and cottonwood.
	Undergrowth, black brush, shadscale and yellow top.
	Poor grazing.
	S. 0° 01' E., between secs. 14 and 15.
	Over broken mesa land, through scattering timber and medium growth of undergrowth. Descend 25 ft. over S. slope.
5.30	Bottom of draw, course SE. Ascend 165 ft. to rim of San Juan River.
7.60	Top of sandstone spur, projects NE.
10.00	Bottom of draw, course NE.
22.70	Right rim of the San Juan River, 100 ft. high, facing S. and bearing NE. and SW. Abrupt descent of 335 ft.
34.10	Small draw, course SE. Thence over broken land.
36.10	Trail, bears NE. and SW.
37.70	Top of low spur, projects SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with broken glass deposited at base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S 15° S 14°
	1929
	Continue gradual descent.

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

50.98. ^{As} The true point for the meander cor. for secs. 14 and 15 will fall on sloping sandstone where it is impracticable to set the corner, therefore, at this point Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, deposit broken glass at base of post, and surrounded by mound of stone to the top, for the witness meander corner for sec. 14 and 15, on the right bank of the San Juan River, with brass cap mkd.

T41S, R20E
S15 | S14

WMC
1929

52.91 Intersect the right bank of the San Juan River, at the mean high water mark, and true point for meander corner. Impracticable to set corner.

Land, broken bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, scattering juniper.

Undergrowth, black brush, shadscale and yellow top.

Poor grazing.

and

From the cor. of secs. 3, 4, T. 41 S., R. 20 E., on the North boundary, heretofore described.

S.0°02'E., on true line bet. secs. 3 and 4.

Over broken bench land, through medium growth of

undergrowth. Descend 70 ft. over SE. slope to $\frac{1}{4}$ sec. cor.

3.00 Wash, course SE.

14.90 Telephone line, from Bluff to Mexican Hat Utah, brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins.

in the ground to solid rock, deposit a sandstone

10x 10x 8 ins. mkd. X, and surrounded by mound of

stone to the top, for the $\frac{1}{4}$ sec. cor., with

brass cap mkd.

$\frac{1}{4}$
S 4 | S 3

1929

SUBDIVISION OF T. 41 S., R. 20 E.

Chains anted 0

Descend 340 ft. over broken SE. slope to sec. cor.

68.50 Top of sandstone rim, 75 ft. high, bears SE, and NW.

79.10 Spur, projects SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to solid rock, deposit a sandstone 10 x 8 x 6 ins. mkd. X, and surrounded by mound of stone to the top, for the corner of secs. 3, 4, 9 and 10, with brass cap mkd.

T41S R20E
 S 4 | S 3

 S 9 | S10
 1929

Land, broken bench, general drainage and exposure SE.

Soil, sandy loam and surface sandstone; 3rd rate.

~~Tiberia noneris~~ DUE

Undergrowth, black brush, mountain rush, and shadscale.

Poor grazing.

East, on random line bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect the cor. of secs. 2, 3, 10 and 11.

Thence

West on true line bet. secs. 3 and 10.

Over bottom of Comb Wash.

4.90 **Right bank** of Comb Wash, 15 ft. high, bears NE. and SW.

5.00 Intersect the witness corner to the cor. of secs. 2, 3, 10 and 11, heretofore described.

Ascend 105 ft. over E. slope, through scattering undergrowth.

10.10 Spur, projects SW. Descend 30 ft. over SW. slope.

25.30 Bottom of draw, course SW. Ascend 165 ft. over E. slope.

39.30 Small spur, projects SE. Descend 15 ft.

39.95 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 3
 $\frac{1}{4}$ ---
 S 10
 1929

SUBDIVISION OF T141TS.0 N. 20VE.0002

Chains

To increase and raise

mound of stone, 2 ft. base, 1½ ft. high N. of the cor.

Ascend 40 ft. over SE. slope.

44.00 Spur, projects SE. Descend 20 ft. over SW. slope.

50.00 Water course SE. Ascend 175 ft. over broken SE. slope to top of rim.

59.00 Spur, projects SE.

63.90 Water course, course SE.

74.60 Top of sandstone rim, 60 ft. high, bears SE. and NW. Descend 50 ft.

79.90 The cor. of secs. 3, 4, 9 and 10.
Land, rough and broken, general drainage and exposure SE.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, mountain rush and shadscale.
Grazing poor.

S.0°2'E., bet secs. 9 and 10.

Over broken bench land, through scattering undergrowth. Descend 50 ft. over SW. slope.

3.00 Bottom of ^{canyon} draw, course SE. Ascend 190 ft. over NE. slope.

5.80 Right rim of canyon, 75 ft. high, bears E. and W. Descend 105 ft. over SE. slope.

24.70 Bottom of draw, course SE. Ascend 50 ft.

27.00 Rocky spur, projects SE. Descend 120 ft.

32.40 Bottom of draw. course SE. Ascend 40 ft.

35.50 Low spur, projects SE. Descend 30 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, deposit sandstone 16 x 12 x 8 ins. mkd. X at base, surrounded by mound of stone to the top, for the ¼ sec. cor., with brass cap mkd.

S 9 | S 10

1929

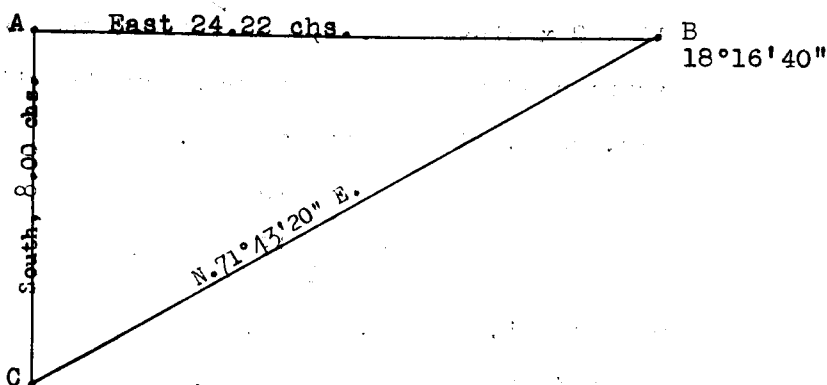
SUBDIVISION OF T.41 S.12 R.20 E.

Chains	descent of Continue/50 ft. over SE. slope.	entrad0
50.00	Bottom of draw, course SE. Ascend 30 ft.	
53.20	Spur, projects SE. Descend 80 ft.	
69.60	Bottom of draw, course SE. Ascend 15 ft.	
76.00	Low spur, projects SE. Descend 20 ft.	
80.00	The true point for the cor. falls on sloping sandy cut bank where it is impracticable to set cor.	
80.22	Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to solid rock, deposit sandstone 16 x 12 x 8 ins. mkd. X at the base, and surrounded by mound of stone to the top, for the witness corner of secs. 9, 10, 15 and 16, with brass cap mkd	
	WC T41S R20E S 9 S10 S16 S15 1929	
	Land, broken bench, genral drainage and exposure SE. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, black brush and mountain rush. Poor grazing.	
	From the true point for the cor. of secs. 9, 10, 15 & 16. East on random line, between secs. 10 and 15.	
40.00	Set temp. $\frac{1}{4}$ sec. cor. The line to the east ascends over the vertical ledge of Comb Wash, over which chaining is impracticable. Therefore to determine the distance I return to the 36.37 chs. point to obtain suitable base, and triangulate as follows: Erect flag A at this point and set flag B on line on top of rim. From A measure base line South, 8.00 chs. dist., the mean of two set of chainman by 1st set 8.001 chs. by 2nd set 7.099 chs. and erect flag C. From C. flag B bears N.71°43'20" E. The angle subtended at B is 18°16'49". The angles were determined by three repetition with error of	

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

30" balance to 180° The vertical angle from A to B is plus 17°.



Dist. by triangulation-----24.22 chs.

Dist. on line-----36.37 chs.

Total distance on line 60.59 chs.

60.59 Point B. of triangulation.

79.95 Intersect N. and S. line 12 lks. S. of the cor. of
secs. 10, 11, 15 and 14.

Thence

S. 89° 55' W., on true line bet. secs. 10 and 15.

Over broken bench land, through scattering timber and
undergrowth.

Ascend 105 ft. over broken E. slope to the top of
Comb Wash ridge.

3.00 Top of small sandstone spur, projects S.

4.00 Bottom of rocky draw, course South.

7.80 Top of sandstone spur, projects S.

12.60 Bottom of draw, course SE.

19.36 Top of Comb Wash ridge, bears NE. and SW. Commence
abrupt descent over inaccessible ledges, 480 ft.

28.60 Foot of precipitous slope, bears NE. and SW.

31.90 Left bank of Comb Wash, 10 ft. high, bears NE. and SW.
Thence across bottom of wash.

39.975 Point for the $\frac{1}{4}$ sec. cor., falls in bottom of Comb
Wash, which is subject to large floods, making
corner setting at this point impracticable.

44.40 Stream of water, 5 lks. wide, course SW.

45.10 Right bank of Comb Wash, 15 ft. high, bears NE. and SW.

SUBDIVISION OF T. 41 S., R. 20 E.

Chains	
45.20	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, with a sandstone, 10 x 8 x 6 ins. mkd. X, deposited at the base, and surrounded by mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S\ 10 \\ \frac{1}{4} \text{ --- } WC \\ S\ 15 \\ 1929 \end{array}$
	Ascend 110 ft. over E. slope.
53.90	Spur, projects SW. Descend 5 ft.
56.30	Draw, course SW. Ascend 10 ft.
60.50	Low spur, projects SW. Descend 20 ft.
65.20	Bottom of draw, course SW. Ascend 110 ft. over SE. slope
71.40	Top of ascent bears NE. and SW. Descend 20 ft. to true corner point.
73.90	Bottom of draw, course SW.
79.95	The true point for the corner of secs. 9, 10, 15 and 16.
	Land, rough and broken; general drainage and exposure S.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, scattering juniper on E. 20 chs.
	Undergrowth, black brush and mountain rush.
	Poor grazing.
	From the true point for the cor. of secs. 9, 10, 15. and 16. S. 0° 02' E., bet. secs. 15 and 16. Over broken bench land, through scattering undergrowth. Descend 210 ft. over SE. slope to the $\frac{1}{4}$ sec. cor.
0.22	The witness cor. of secs. 9, 10, 15 and 16.
7.80	Bottom of draw, course SE. Also small spring of salty water in bottom.
15.20	Old wagon road, bears SE. and SW.
25.80	Small spur, projects SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

1/4 SECTION SUBDIVISION OF T. 41 S., R. 20 E.

Chains

at cor. of sec. 4 and 5, T. 41 S., R. 20 E., on the N. bdy. heretofore described. S. 0° 03' E., on true line bet. secs. 4 and 5. Over broken bench land, through scattering undergrowth. Ascend 70 ft. over gentle NE. slope.

14.00 Top of spur, projects E. Descend 90 ft. over SE. slope.

29.80 Small draw, course SE. Ascend 10 ft. to 1/4 sec. cor.

59.03 The true point for the meander corner on the right bank of the San Juan River will fall on cut bank where it is impracticable to set corner, at this point Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the witness meander cor. of secs. 15 and 16, right bank of the San Juan River, with brass cap mkd.

T41S	R20E
S16	S15

WMC
1929

and raise mound of stone, 2 ft. base, 1 1/2 ft. high, N. of the corner.

64.67 Intersect the mean high water mark on the right bank of the San Juan River, and true point for meander cor. No corner set at this point. Land, broken bench; general drainage and exposure SE. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, black brush and mountain rush. Poor grazing.

and raise mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Continue descent of 85 ft. over SE. slope to mean high water mark of the San Juan River.

As

SUBDIVISION OF T. 41S. R. 20E.

entered

Chains
40.00

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid bedrock, with sandstone 16 x 9 x 8 ins. mkd. X, deposited at base, surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

1929
S 5 | S 4
1929

Gradual ascent of 80 ft. over SW. slope to rim of mesa.

48.90 Telephone line, bears E. and W., from Bluff to Mexican Hat, Utah.

50.00 Draw, course SE.

77.50 Rim of mesa, bears SE. and NW, Gradual descent of 20 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock, with sandstone 8 x 6 x 4 ins. mkd. X, deposited at base, and surrounded in mound of stone to top, for the cor. of secs. 4, 5, 8 and 9, with brass cap mkd.

T41S R20E
S 5 | S 4

1929

Land, broken bench; general drainage and exposure SW. Soil, sandy loam and surface sandstone; 3rd rate. Timber, none. Undergrowth, black brush and mountain rush. Poor grazing.

East, on random line bet secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence N. 89° 59' W., on true line bet. secs. 4 and 9. Over broken bench land, through scattering undergrowth.

SUBDIVISION OF T. 41 S., R. 20 E.

Chains	
	Descend 10 ft. over SW. slope.
0.90	Bottom of canyon, course SE. Ascend 430 ft. over SE. slope to the $\frac{1}{4}$ sec. cor.
11.10	Right rim of canyon, 100 ft. high, bears SE. and NW. continue gradual ascent over SE. slope.
40.03	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, with sandstone, 10 x 8 x 6 ins. mkd. X, deposited at base, and surrounded with mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S\ 4 \\ \frac{1}{4} \overline{) S\ 9} \\ 1929 \end{array}$
	Ascend 140 ft. over SE. slope.
76.00	Spur, projects SW. Descend 20 ft. over SW. slope.
79.20	Rim of mesa, bears N. and S.
80.06	The cor. of secs. 4, 5, 8 and 9.
	Land, broken bench, general drainage and exposure S.
	Soil, sandy loam and surface sandstone; Ard rate.
	Timber, none.
	Undergrowth, black brush and mountain rush.
	Poor grazing.
	<hr/>
	S.0°03'E., bet. secs. 8 and 9.
	Over broken bench land, through scattering undergrowth.
	Descend 210 ft. over W. slope.
33.60	Rim of canyon, 30 ft. high, bears E. and W.
36.70	Bottom of canyon, course SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, with sandstone 16 x 10 x 8 ins. mkd. X deposited at base, and surrounded with mound of stone to the top, for the $\frac{1}{4}$ sec. cor. with brass cap mkd.

$$\begin{array}{ccc} & \frac{1}{4} & \\ S\ 8 & \uparrow & S\ 9 \\ & 1929 & \end{array}$$

Subdivision of T. 41 S., R. 20 E.

Chains	Ascend 200 ft. over NE. slope. To sec. cor.	00.00
51.70	Rim of mesa, bears SE. and NW. Continue ascent.	01.15
79.10	Rim of mesa, bears SE. and NW. Thence over level top of mesa.	01.15
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to solid rock; with sandstone 10 x 8 x 6 ins. mkd. X, deposited at base, and surrounded by mound of stone to the top, for the cor. of sec. 8, 9, 16 and 17, with brass cap mkd.	01.15
<div style="text-align: center;"> T41S R20E S 8 S 9 ———— S17 S16 1929 </div>		
	Land, broken bench; general drainage and exposure SE.	
	Soil, sandy loam and surface sandstone; 3rd rate.	
	Timber, none.	
	Undergrowth, black brush, mountain rush and shadscale.	
	Poor grazing.	
<hr/>		
	S.89°59'E., on random line bet. secs. 9 and 16.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.14	Intersect N. and S. line, 7 lks. S. of the true point for the cor. of secs. 9, 10, 15 and 16.	
	Thence	
	S.89°58'W., on true line, bet. secs. 9 and 16.	
	Over broken bench land, through scattering undergrowth.	
	Ascend 40 ft. over E. slope.	
1.50	Low spur, projects S. Descend 35 ft.	
4.30	Bottom of draw, course SE.	
6.40	Small spur, slopes NE.	
12.00	Bottom of same draw, as at 4.30 chs, course NE. Ascend 200 ft. over NE. slope.	
18.20	Spur, projects NE. Descend 90 ft.	
32.80	Bottom of draw, course NE. Ascend 75 ft.	
35.70	Spur, projects SE. Descend 20 ft.	

SUBDIVISION OF T. 41 S., R. 20 E.

Chains
40.07

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, with sandstone, 8 x 6 x 4 ins. mkd. X, deposited at base, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 9
S 16
1929

Ascend 425 ft. over broken E. slope, to sec. cor.

43.50
48.30
55.50
76.30
80.14

Sp r, projects S.
Bottom of canyon, course SE.
Rim of canyon, 75 ft. high, bears SE. and NW.
Rim of mesa, bears SE. and NW. Thence over mesa top.
The cor. of secs. 8, 9, 16 and 17.
Land, broken bench; general drainage and exposure E.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, mountain rush and shadscale.
Poor grazing.

S.0°03'E., bet. secs. 16 and 17.
Over broken mesa land, through scattering undergrowth.
Descend 185 ft. over SE. slope to bottom of canyon.

4.60
24.00
31.80
35.10
39.90
40.00

Rim of mesa, bears SE. and NW.
Old wagon road bears E. and W.
Rim of canyon 30 ft. high, bears E. and W.
Bottom of canyon, course SE. Ascend 40 ft.
Low spur, projects SE.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to solid rock, with sandstone, 10 x 8 x 4 ins. mkd. X, at base, and in a mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 17 | S 16
1929

Ascend 30 ft. along E. slope.

Chains
46.50- Spur, projects E. Descend 45 ft.
51.00 Bottom of draw, course SE. Ascend 80 ft.
60.10 Rim of mesa, bears SE. and NW. Thence over mesa top.
75.40 Rim of mesa, bears SE. and NW. Descend 55 ft. over S.
slope.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., over
X cut in solid surface rock, in a mound of stone
to the top, for the cor. of secs. 16, 17, 20 and 21,
with brass cap mkd.

T41S R20E
S17 S16
S20 S21
1929

Land, broken bench; general drainage and exposure SE.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, yellow top and shadscale.
Poor grazing.

N.89°58'E., on true line bet. secs. 16 and 21.

Over broken bench land, through scattering undergrowth.
Descend 145 ft. over SE. slope.

17.20 Bottom of draw, course SE. Ascend 25 ft.
25.30 Top of ascent bears NE. and SW. Descend 100 ft. over
E. slope.

35.60 Bottom of draw, course NE. ascend 20 ft.

36.50 Top of sandstone spur, projects NE. Descend 100 ft.
along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut
in solid surface rock, and surrounded with a mound
of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass
cap mkd.

S 16
 $\frac{1}{4}$ S 21
1929

Descend 340 ft. over broken E. slope, to the mean high
water mark.

SUBDIVISION OF T.41 S., R. 20 E.

Chains

- 43.80 Bottom of draw. course NE.
- 45.70 Top of spur, projects NE. about 20 chains.
- 50.00 Bottom of draw. course S.
- 53.60 Top of spur, projects SE. about 5 chains.
- 58.25 ^{As} The true point for the meander corner bet. secs. 16 and 21, on the right bank of the San Juan River will fall on alluvial sand bank, where it is impracticable to set corner, at this point
- Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with sandstone, 4 x 4 x 3 ins. mkd. X, deposited at base, for the witness meander corner bet. secs. 16 and 21, on right bank of San Juan River, with brass cap mkd.
- | | |
|------|------|
| T41S | WMC |
| S16 | |
| S21 | |
| R20E | |
| | 1929 |
- 59.00 No other suitable accessories available.
Foot of slope, bears NE. and SW. Thence over river bottom.
- 63.64 Intersect the mean high water mark on the right bank of the San Juan River. No cor. set at this point.
Land, broken bench; general drainage and exposure SE.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, shadscale and mountain rush.
Poor grazing.
-
- From the cor. of secs. 16, 17, 20 and 21.
S.0°03'E., bet. secs. 20 and 21.
- Over broken bench land, through scattering undergrowth.
Descend 160 ft. over E. slope to the $\frac{1}{4}$ sec. cor.
- 8.00 Spur, projects SE.
- 33.00 Small draw, course SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, with sandstone/mkd. X, deposited at base, and surrounded by mound to stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

SUBDIVISION OF T. 41 S., R. 20 E., S. 40

Chains

S 20 | S 21

1929

- 40.20 Small draw, course SE. Gradual ascent of 105 ft. over broken E. slope.
- 41.40 Small spur, projects SE.
- 54.80 Small draw, course SE.
- 58.50 Top of ascent bears SE. and NW. Descend 135 ft. over SE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 20, 21, 28 and 29, with brass cap mkd.

T41S R20E

S20 | S21

S29 | S28

1929

and raise mound of stone, 2 ft. base, 1½ ft. high, W. of the corner.

Land, broken bench; general drainage and exposure SE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush, mountain rush and shadscale.

Poor grazing.

N.89°58'E., on true line bet. secs. 21 and 28.

Over broken bench land, through scattering undergrowth.

Ascend 20 ft. over SE. slope.

2.20 Spur, projects SE. Descend 495 ft. over broken SE. slope. to the mean high water mark.

9.20 Draw, course SE.

11.20 Spur, projects S.

37.08 Intersect the mean high water mark on the right bank

of the San Juan River, at point of intersection

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in

the ground, for the meander corner, bet. secs. 21

and 28, with brass cap mkd.

SUBDIVISION Q. R. T. 41 S., R. 20 E.

Chains

after base

T41S

S21

S28

R20E

1929

MC

and raise

mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of the cor.

Land, broken bench; general drainage and exposure SE.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush and shadscale.

Poor grazing.

From the cor. of secs. 20, 21, 28 and 29.

S.0°03'E., bet. secs. 28 and 29.

Over broken bench land, through scattering undergrowth.

0.80 Draw, course SE. Ascend 30 ft. over NE. slope.

9.40 Top of ascent bears SE. and NW. Descend 220 ft. over broken SE. slope to $\frac{1}{4}$ sec. cor.

30.10 Small draw, course SW.

31.90 Spur, projects SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in mound of stone to top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 29 | S 28

1929

and raise

mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of the corner.

Continue descent of 300 ft. over S. slope.

49.79 Intersect the mean high water mark of the San Juan

River, on the right bank. At point of intersection

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in

the ground, for the meander corner for secs. 28 and

29, with brass cap mkd.

T41S R20E

S29 S28

MC

1929

SUBDIVISION OF T41 S40 R20E

Chains

and raise

mound of stone 2 ft. base, 1½ ft. high, N. of the corner.

Land, broken bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush and shadscale.

Poor grazing.

From the corner of secs. 5 and 6, T. 41 S., R. 20 E., on the north boundary, heretofore described.

S.0°03'E., on true line bet. secs. 5 and 6.

Over nearly level bench land, through scattering undergrowth.

12.90 Road, bears NE. and SW., from Bluff Utah to Arizona.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

S 6

S 5

1929

and raise

mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Continue over nearly level bench land.

40.70 Small draw, course W.

56.20 Telephone line, bears NE. and SW., from Bluff Utah to Mexican Hat, Utah.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with sandstone, 8 x 6 x 6 ins. mkd. X, and deposited at the base, for the cor. of secs. 5, 6, 7 and 8, with brass cap mkd.

T41S R20E

S 6 S 5

S 7 S 8

1929

Land, level bench; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

SUBDIVISION OF T.41 S., R. 20 E.

Chains	Undergrowth, black brush, shadscale and yellow top. Poor grazing.
	East, on random line bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 4, 5, 8 and 9.
	Thence
	S.89°55'W., on true line bet. secs. 5 and 8.
	Over broken bench land, through medium growth of undergrowth.
	Descend 80 ft. over SW. slope.
8.90	Bottom of draw. course S. Ascend 100 ft. over SE. slope to the $\frac{1}{4}$ sec. cor.
16.90	Sandstone rim, 25 ft. high, bears N. and S.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock, with sandstone 8 x 6 x 4 ins. mkd. X, deposited at the base, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor, with brass cap mkd.
	<div style="text-align: center;"> S 5 $\frac{1}{4}$ ————— S 8 1929 </div>
	ascent
	Continue/of 15 ft. over SE. slope.
47.90	Low spur, projects SW. Descend 70 ft. over SW. slope.
79.96	The cor. of secs. 5, 6, 7, and 8.
	Land, broken bench; general drainage and exposure S.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, none.
	Undergrowth, black brush, mountain rush and shadscale.
	Poor grazing.
	West on random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.16	Intersect the W. bdy, 3 lks. N. of the cor. of secs. 1, 6, 7, and 12, which is an iron post, 3 ins. diam., extending 10 ins. above ground, properly mkd. and

SUBDIVISION OF T. 41 S. 12 R. 20 E.

Chains	witnessed as described in the official record and 0
	Thence
	N. 89° 59' E., on true line bet. secs. 6 and 7.
	Over broken bench land, through medium growth of
	undergrowth. Descend 35 ft. over SE. slope to
	bottom of wash.
9.00	Telephone line, bears NE. and SW., from Bluff Utah to
	Mexican Hat Utah.
17.40	Bottom of wash, 30 lks. wide, course SW. Ascend 125
	ft. over SW. slope.
40.16	Set an iron post, 3 ft. long, 1 in. diam., 15 ins.
	in the ground to solid rock, with sandstone 8 x 6
	x 4 ins. mkd. X deposited at base, in a mound of
	stone to the top, for the $\frac{1}{4}$ sec. cor., with
	brass cap mkd.
	<div style="text-align: center;"> S 6 $\frac{1}{4}$ ————— S 7 1929 </div>
	Continue ascent of 100 ft. over SW. slope.
80.16	The cor. of secs. 5, 6, 7 and 8.
	Land, broken bench; general drainage and exposure SW.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, none.
	Undergrowth, black brush and mountain rush.
	Poor grazing.
	S. 0° 03' E., between secs. 7 and 8.
	Over nearly level bench land, through medium growth
	of undergrowth.
8.60	Small draw, course NW.
17.80	Trail bears NW. and SE.
24.20	Trail brs NW. and SE.
25.00	Head of draw. course W.
37.50	Sandstone rim, 10 ft. high, bears NW. and SE.
39.40	Bottom of canyon, 30 ft. deep, drains W.
40.00	Left rim of canyon, bears E. and W.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in

SUBDIVISION OF T.41 S., R. 20 E.

Chains

the ground, with a limestone, 4 x 4 x 4 ins. mkd. X,
deposited at the base, for the $\frac{1}{4}$ sec. cor., with
brass cap mkd.

$\frac{1}{4}$
S 7 | S 8

1929

No other suitable accessories available.
Ascend 30 ft. over gentle N. slope.

- 41.40 Trail, bears NE. and SW.
and rim of mesa.
- 57.60 Top of ascent, bears SE. and NW. Descend 135 ft. over
S. slope.
- 72.70 Small wash, course SW. Ascend 10 ft. gentle NW. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins.
in the ground, to solid rock, with a sandstone,
5 x 4 x 3 ins. mkd. X, deposited at the base, and
in mound of stone to the top, for the cor. of secs.
7, 8, 17 and 18, with brass cap mkd.

T41S R20E
S 7 | S 8
S18 | S17
1929

Land, rolling bench; general drainage and exposure
Westerly.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, mountain rush and shadscale.
Poor grazing.

N.89°55'E., on random line bet. secs. 8 and 17.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.92 Intersect N. and S. line, 14 lks. S. of the cor. of
secs. 8, 9, 16 and 17.

Thence

S.89°49'W., on true line bet. secs. 8 and 17

Over nearly level ~~mesa~~ land, through scattering
undergrowth.

- 39.96 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, with a sandstone, 10 x 8 x 6 ins. mkd.
S x S X, deposited at base, for the $\frac{1}{4}$ sec. cor., with

SUBDIVISION OF T. 41 N. S. 2. R. 12 E.

Chains	brass cap mkd.
	S 8
	S 17
	1929
	Continue over nearly level mesa land.
56.90	Rim of mesa, 30 ft. high, bears NW. and SE. Descend 160 ft. over broken S. slope to sec. cor.
67.80	Low spur, projects S.
79.92	The cor. of secs. 7, 8, 17 and 18.
	Land, broken bench; general drainage and exposure S.
	Soil, sandy loam and surface sandstone; 3rd rate.
	Timber, none.
	Undergrowth, black brush and mountain rush.
	Poor grazing.
	<hr/>
	S. 89° 59' W., on random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.28	Intersect the W. bdy., 2 lks. N. of the cor. of secs. 7, 12, 13, and 18, which is an iron post, 3 ins. in diam., extending 10 ins. above ground, properly mkd. and witnessed as described in the official record.
	Thence
	N. 89° 58' E., on true line bet. secs. 7 and 18.
	Over broken bench land, through scattering undergrowth.
	Descend 60 ft. over E. slope, to bottom of canyon.
8.60	Left rim of canyon, 40 ft. high, bears SE. and NW.
11.00	Bottom of canyon, course SE. Ascend 140 ft. along W. slope, to top of spur.
14.10	Left rim of canyon, 20 ft. high, bears SE. and NW.
21.50	Trail bears SE. and NW.
27.10	Trail, bears N. and S.
33.90	Top of spur, projects SW. Descend 65 ft. over E. slope.
40.28	In bottom of small draw, course SW.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, with sandstone 5 x 3 x 2

SUBDIVISION OF T.41 S., R.20 E.

Chains

8 in. 1/2 dia. mkd. X, deposited at base, and in a mound of stone
to the top, for the 1/4 sec. cor., with brass cap mkd.

1/4 S 7
S 18
1929

Ascend 160 ft. over broken NW. slope to the sec. cor.

41.00 Top of small spur, projects SW.

48.80 Bottom of draw, course NW.

57.40 Bottom of draw, course NW.

63.80 Small draw, course SW.

80.28 The cor. of secs. 7, 8, 17 and 18.

Land, broken bench; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, blackbrush and mountain rush.

Poor grazing.

S.0°03'E., bet. secs. 17 and 18.

Over broken bench land, through scattering undergrowth.

Descend 15 ft. over gradual S. slope.

16.90 Old road bears SE. and NW. Continue descent.

19.80 Water course, course SW. Ascend 70 ft. over N. slope.

26.10 Spur, projects SW. Descend 70 ft. over SE. slope.

37.93 Set an iron post, 3 ft. long, 1 in. diam., over X

cut in solid surface rock, and in a mound of stone

to the top, for the witness 1/4 sec. cor., with brass

cap mkd.

1/4
S 18 S 17
W C
1929

40.00 Point for 1/4 sec. cor., falls on inaccessible sandstone
rim, bears NE. and SW. Impracticable to set cor.

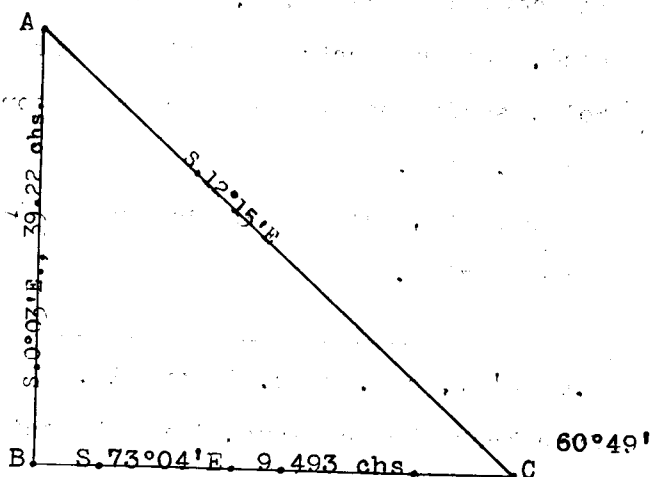
The line to the south crosses box canyon with vertical
rims over which chaining is impracticable. There-
fore to determine the distance I return to the
witness 1/4 sec. cor., and triangulate as follows:

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

Erect flag A at the witness 1 sec. cor. Erect flag B on line to the south, and erect flag C, S.12°15'E., from flag A. Measure base line BC S.73°04'E., 9.493 chs. distance, the mean of two set of chainman by 1 set 9.494 chs. by 2nd set 9.492 chs.

The angle subtended at C is 60°49'. The angles were determined by three repetitions with error of 20" balanced to 180°. The bearings were checked by deflection. The vertical angle from A to B is minus 15°



Distance by triangulation-----39.22 chs.

Total distance on line-----37.93 chs.
77.15 "

- 65.00. Approximate distance: Canyon, course SW.
- 72.00 Approximate distance: Small spur, projects SW.
- 76.00 Approximate distance: Small draw, course W.
- 77.15 Point B. of triangulation. Top of sandstone rim, 20
695 ft. below point A.
ft. high/ bears NW. and SE. Descend 100 ft.
- 78.90 Intersect the mean high water mark on the right bank
of the San Juan River, at point of intersection
Set an iron post 3 ft long, 1 in. diam., 30 ins. in
the ground, for the meander cor. of secs. 17 and 18,
with brass cap mkd. T41S R20E
S18 S17
MC
1929
and raise
mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

Land, rough and broken; general drainage and exposure SW.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, shadscale and mountain rush.
Poor grazing.

From the cor. of secs. 16, 17, 20 and 21, heretofore described.

S. 89° 49' W., on true line bet. secs. 17 and 20.

Over broken bench land, through scattering undergrowth.
Ascend 75 ft. over SE. slope.

6.20 Rim of mesa, bears NE. and SW. Thence over broken mesa top.

13.00 Rim of mesa, bears SW. and NE. Descend 560 ft. over SW. slope, to $\frac{1}{4}$ sec. cor.

35.30 Foot of precipitous slope, bears NE. and SW. Continue gradual descent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with sandstone 6 x 4 x 3 ins. mkd X, deposited at base, and surrounded by mound of stone to the top, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 17
 $\frac{1}{4}$
S 20
1929

Continue descent of 85 ft.

50.60 Bottom of draw, course NW. from NE. Ascend 110 ft. over NW. slope.

70.40 Spur, projects NW. Descend 270 ft. over W. slope.

78.28 Intersect the mean high water mark of the San Juan River, on the right bank. At point of intersection Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, surrounded by mound of stone, for the meander corner, of secs. 17 and 20 with brass cap mkd.

S 17
S 18

SUBDIVISION OF T. 41. S. R. 20. E. 1929

Chains

T41S

S 17

MC

S20

R20E

1929

and raise

mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of the cor.

Land, broken bench; general drainage and exposure NW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, black brush, mountain rush and shadscale.

Poor grazing.

From the cor. of secs. 13, 18, 19 and 24, on the W.

bdy, which is an iron post, 3 ins. in diam.,

extending 10 ins. above ground, properly mkd.

and witnessed as described in the official record.

N. $89^{\circ}58'E.$, on true line bet. secs. 18 and 19.

Over broken bench land, through scattering undergrowth.

14.40 Rim of canyon, bears N. and S. Descend 355 ft. to witness $\frac{1}{4}$ sec. cor.

34.26 Rim of box canyon bears N. and S.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, surrounded by mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 18

$\frac{1}{4}$

WC

S 19

1929

38.00 Approx. dist.: Bottom of canyon, 150 ft deep, crse. SE.

40.35 True point for the $\frac{1}{4}$ sec. cor., (westing of 40.00 chs.

from line bet. secs. 17 and 18.) falls on inaccessible

W. slope of canyon, where it is impracticable to set cor.

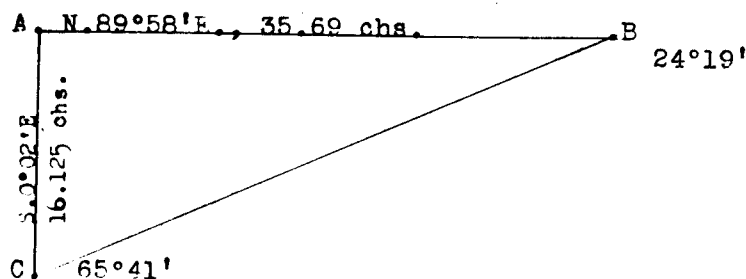
The line from the witness $\frac{1}{4}$ sec. cor. crosses deep inaccessible box canyon over which chaining is impracticable. Therefore to determine the distance I return to the 14.36 chs. point and triangulate as follows:

Chains

Erect flag A at the 14.36 chs. point and erect flag B on line to the east. Measure base line A to B S.0°02'E., 16.125 chs. dist., the mean of two set of chainman

By 1st set 16.126 chs.
By 2nd set 16.124 chs.

and erect flag C. The angle subtended at C is 65°41' and the angle subtended at B is 24°19'; all angles determined by three repetitions with error of 20" balanced to 180°. The vertical angle from A to B is plus ¼°.



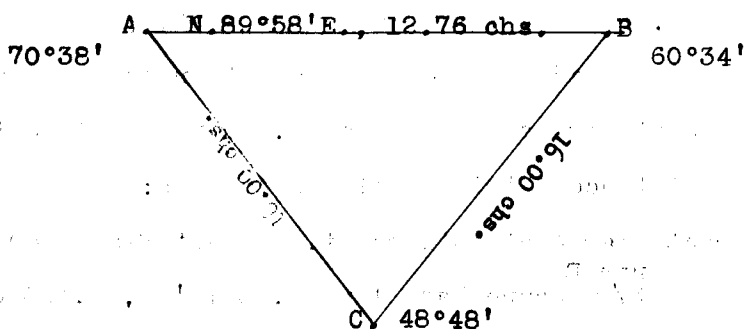
Total distance on line-----	14.36 chs.
Distance by triangulation-----	35.69 "
Total distance to B -----	50.05 "

50.05 Point B. of triangulation. Point of spur, projects
S. Descend 70 ft.

52.34 Top of rim, 200 ft. high, bears N. and S. The line to east descends over vertical rim, over which chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at this point and erect flag B on the mean high water mark of the San Juan River. Erect flag C southeasterly from Flag A. The mean distance from B to C is 16.00 chs.,

By 1st set of chainman 16.001 chs.
By 2nd set of chainman 15.999 chs.



SUBDIVISION OF T. 41 S., R. 20 E.

Chains

All angles by three repetitions with error of $\pm 20''$ balanced to 180° . The vertical angle A to B is -37° .

At point A is $70^\circ 38'$
At point B is $60^\circ 34'$
At point C is $48^\circ 48'$

Distance on line to A is ----- 52.34 chs.
Distance by triangulation A to B ----- 12.76 "
Distance on line to B is ----- 65.10 "

- 65.10 Intersect the mean high water mark on the right bank
685 ft. below top of rim.
of the San Juan River. At point of intersection
Set an iron post, 3 ft. long, 1 in. diam., over X
cut in solid rock, surrounded by mound of stone to
the top, for the meander corner bet secs. 18 and 19,
with brass cap mkd.

T41S	
S 18	
S 19	MC
R20E	
1929	

Land, broken bench; general drainage and exposure S.
Soil, sandy loam and surface sandstone; 3rd rate.
Timber, none.
Undergrowth, black brush, mountain rush and shadscale.
Poor grazing.

From the cor. of secs. 20, 21, 28 and 29, heretofore described.

S. $89^\circ 49' W.$, on true line bet. secs. 20 and 29.

Over broken bench land, through scattering undergrowth.

- 1.00 Small draw, course SE. Gradual ascent of 155 ft. over
NE. slope, to top of rim.

- 11.80 Low spur, projects SE.

- 20.11 Right rim of the San Juan River, 400 ft. high, bears
N. and SE. The line to the west, follows along
the breaks of the San Juan River over which
chaining is impracticable. Therefore to determine the
distance I triangulate as follows:

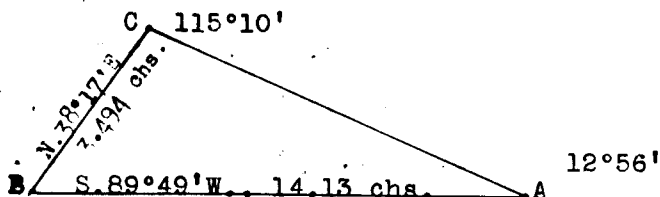
Erect flag A at this point, and set flag B on line to
from B
west/measure base line N. $38^\circ 17' E.$, 3.494 chs. dist.
the mean of two set of chain-

SUBDIVISION OF T. 41 S., R. 20 E.

Chains

by 1st set 3.495 chs.
by 2nd set 3.493 chs.

and erect flag C. The angle subtended at C is $115^{\circ}10'$, and the angle subtended at A is $12^{\circ}56'$. All angles determined by three repetitions with error of $30''$ balanced to 180° . The vertical angle from A to B is plus $1\frac{1}{2}^{\circ}$.



Total distance on line to A ----- 20.11 chs.
Distance by triangulation A to B ----- 14.13 "
Total distance on line to B ----- 34.24 "

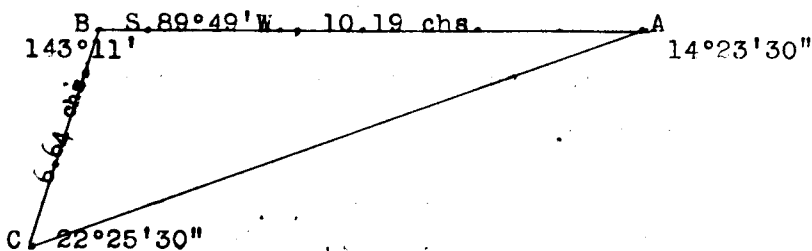
34.24 Point B of triangulation. Top of spur, projects S.

Descend 30 ft.

34.91 Right rim of the San Juan River, 200 ft. high, bears NE. and SW. The line to the west descends over the vertical rim where chaining is impracticable. Therefore to determine the distance I triangulate as follows:

Erect flag A at this point, and set flag B on line on the mean high water mark of the San Juan River, and erect flag C on the mean high water mark of the San Juan River, southwesterly from Flag B. The mean distance from B to C is 6.64 chs.

By 1st set of chainmen 6.641 chs.
by 2nd set of chainmen 6.639 chs.



All angles by three repetitions, with closing error of $20''$, balanced to 180° .

At point A - $14^{\circ}23'30''$

At point B - $143^{\circ}11'$

At point C - $22^{\circ}25'30''$

The vertical angle from A to B is $-28^{\circ}15'$.

SUBDIVISION OF T.41 S., R. 20 E.

Chains

Distance on line to A is-----34.91 ch
 Distance by triangulation A to B-----10.19 " "
 Total distance on line to B-----45.10 " "
 Distance by return measurement-----3.26 " "
 41.84 "

40.00 Falls on inaccessible ledges where it is impracticable to set cor. The true point for the $\frac{1}{4}$ sec. cor.

41.84 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock, with a sandstone 5 x 4 x 2 ins. mkd. X deposited at the base, and in a mound of stone to the top, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 20
 WC $\frac{1}{4}$ S 29
 1929

45.10 Point B. of triangulation. Intersect the mean high water mark of the right bank of the San Juan River, at point of intersection, 360 ft. below point A, Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and with a sandstone 4 x 3 x 3 ins. mkd. X deposited at the base, and in a mound of stone to the top, for the meander corner of secs. 20 and 29, with brass cap mkd.

MC T41S
 S 20
 S 29
 R20E
 1929

Land, broken bench; general drainage and exposure S.
 Soil, sandy loam and surface sandstone; 3rd rate.
 Timber, none.
 Undergrowth, black brush and mountain rush.
 Poor grazing.

MEANDERS OF T.41 S., R. 20 E.

From the true point for the meander corner of secs.

7 and 12, on the E. Bdy., heretofore described.

Thence with the meanders of the right bank of the

San Juan River in sec. 12. -Downstream

Along top of alluvial bank, from 1 to 3 ft. in height.

MEANDERS OF T.41 S., R. 20 E.

S.66°00'W., 16.86 chs.

S.68°00'W., 2.70 chs.

S.81°15'W., 8.00 chs. On this course the bank increases in height to 4 ft. Also enter growth of young cottonwoods.

S.59°15'W., 8.00 chs. Leave cottonwoods on this crse.

S.57°45'W., 16.00 chs. At 4.70 chs. the mouth of Butler Wash, stream of clear water, 20 lks. wide

S.40°45'W., 8.00 chs.

S.7°30'W., 8.00 chs. On this course the bank increases in height to 14 ft.

S.14°00'W., 6.40 chs. On this course the bank decreases in height to 10 ft.

S.11°30'W., 5.20 chs. On this course enter growth of young cottonwoods.

S.25°45'W., 7.00 chs. The true point for the meander of secs. 12 and 13.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, cottonwood.

Undergrowth, none. Poor grazing.

Thence downstream with the meanders of the right bank of the San Juan River in sec. 13.

Along alluvial bank, from 3 to 6 ft. **high**, through medium growth of cottonwoods.

S.31°30'W., 5.35 chs.

S.43°00'W., 6.10 chs.

S.69°30'W., 15.70 chs. The true point for the meander cor. of secs. 13 and 14.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, cottonwood.

Undergrowth, none. Poor grazing.

Thence downstream with the meanders on the right bank of the San Juan River in sec. 14.

Along alluvial sandbank, from 3 to 6 ft. in height. through medium growth of cottonwoods.

S.59°30'W., 3.40 chs.

S.33°30'W., 12.60 chs. At 7.20 chs. the height of the

CS 9... MEANDERS OF T. 11 S., R. 20 E.

bank increases to 8 ft.

S.61°45'W., 30.30 chs.

At 8.00 chs. on this course leave timber and cut bank. Thence along sloping bank covered with drift wood.

N.77°30'W., 12.00 chs.

S.85°30'W., 7.10 chs.

N.63°15'W., 5.20 chs.

S.77°00'W., 5.50 chs.

At 1.00 chs. trail 10 lks. N. bears S.75°W., and S.70°E., At 2.00 chs. group of Moki houses bears N. about 60 lks. At end of course cut bank 10 ft. high.

S.86°30'W., 5.10 chs.

S.51°45'W., 5.60 chs.

S.19°00'W., 9.40 chs.

Leave cut bank, thence along sloping sandstone ledge.

S.43°30'W., 2.97 chs.

The true point for the meander cor. of secs. 14 and 15.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, cottonwood.

Undergrowth, none. Poor grazing.

Thence downstream with the meanders on the right bank of the San Juan River, in sec. 15.

Along sloping sandstone ledge.

S.48°30'W., 3.97 chs.

S.72°15'W., 6.90 chs.

S.85°00'W., 3.30 chs.

S.76°45'W., 9.10 chs.

S.65°15'W., 2.20 chs.

S.81°30'W., 8.70 chs.

Enter scattering cottonwoods, thence over sandy shore line.

S.87°15'W., 47.70 chs.

At 11.20 chs. leave cottonwoods. At 33.20 chs. mouth of Comb Wash, stream of water 8 lks. wide. At 47.70 chs. the true point for the meander cor. of secs. 15 and 16.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, cottonwood.

Undergrowth, Yellow top. Poor grazing.

MEANDERS OF T. 41 S. R. 20 E.

Thence downstream with the meanders on the right bank of the San Juan River in sec. 16.

Along alluvial sloping sand bank.

S.55°00'W., 14.00 chs. At 7.00 chs. mouth of draw.

S.35°30'W., 9.00 chs. At 5.50 chs. mouth of draw.
At 9.00 chs. the true point for the meander cor. of secs. 16 and 21.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, yellow top. Poor grazing.

Thence downstream with the meanders on the right bank of the San Juan River in sec. 21.

Along alluvial sand bank.

S.35°30'W., 1.00 ch.

S.61°30'W., 5.10 chs.

S.12°00'W., 9.60 chs. Thence along sloping sandstone ledge.

S.24°00'W., 9.50 chs.

S.10°15'W., 8.10 chs.

S.2°45'W., 4.90 chs.

S.7°00'W., 6.00 chs.

S.6°00'W., 6.60 chs. At 0.60 chs. leave sandstone ledge. Thence along alluvial sand bank covered with yellow top and sage brush.

S.30°30'E., 4.50 chs.

S.12°00'E., 4.65 chs. Enter scattering growth of cottonwoods.

S.1°00'W., 1.10 chs. From this point island covered with small cottonwoods bears S.

S.68°00'W., 4.70 chs. The mean high water mark is separated from an island by a channel of 50 lks. wide. Continue along sand bank 4 ft. high.

S.28°00'W., 8.00 chs. At 5.00 chs. draw, course E., into river.

S.36°30'W., 5.40 chs. At 3.50 chs. leave sand bank, thence along sloping sandstone.

S.22°30'W., 11.45 chs. The meander corner of secs. 21 and 28.

Land, broken; general drainage and exposure SW.

Meanders of T. 41 S., R. 20 E.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, cottonwood.

Undergrowth, yellow top and sagebrush. Poor grazing.

Thence downstream with the meanders of the right bank of the San Juan River, in sec. 28.

Along, alluvial sand bank, 5 ft. high, through medium growth of willow and cottonwoods.

S.22°00'W., 17.30 chs.

S.31°30'W., 4.10 chs. At 4.00 chs. leave sand bank, and willow and cottonwood. Thence along sloping sandstone ledge.

S.27°45'W., 7.70 chs.

S.25°15'W., 8.00 chs. At 5.00 chs. leave sloping sandstone, thence along sand bank 8 ft. high.

S.28°00'W., 7.40 chs. At 6.20 chs. draw drains E.

S.32°45'W., 5.10 chs. Leave sand bank, thence along sloping sandstone.

S.65°00'W., 8.00 chs. Leave sandstone, thence along sloping sand bank.

S.74°00'W., 6.40 chs.

S.82°45'W., 1.82 chs. The meander corner of secs. 28 and 29.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, cottonwood.

Undergrowth, willow. Poor grazing.

Thence downstream with the meanders of the right bank of the San Juan River, in sec. 29.

Along sloping sand bank.

S.80°00'W., 5.30 chs. At 4.30 chs. leave sand bank, thence along sloping sandstone.

N.86°00'W., 1.80 chs.

N.80°00'W., 5.50 chs.

N.47°00'W., 1.20 chs. Leave sloping sandstone, thence along sloping sand bank.

N.40°15'W., 9.20 chs. At 8.00 chs. leave sand bank, thence along sloping sandstone.

N.33°15'W., 5.70 chs.

N.11°15'W., 5.60 chs. Leave sloping sandstone, thence

MEANDERS OF T. 41 S., R. 20 E.

along sloping sand bank, through medium growth of willows.

N.9°45'E., 4.30 chs.

N.18°00'E., 8.00 chs. At 1.00 ch. leave sand bank and willows. Thence along sloping sandstone.

N.8°00'E., 4.10 chs.

N.16°00'W., 3.50 chs.

N.58°30'W., 6.60 chs. Leave sloping sandstone. Thence along sand bank covered with large boulders.

N.79°00'W., 6.60 chs.

S.51°00'W., 6.40 chs.

S.27°45'W., 8.00 chs. Enter medium growth of cottonwoods and rabbit brush.

S.45°30'W., 9.20 chs. Leave cottonwoods.

S.68°30'W., 5.00 chs.

S.84°00'W., 5.50 chs.

N.58°30'W., 3.40 chs.

N.37°00'W., 4.60 chs.

N.18°30'W., 2.90 chs. Leave sloping sand bank. Thence along alluvial cut sand bank, 8 ft. high.

N.16°00'E., 3.80 chs.

N.22°30'E., 3.70 chs.

N.30°45'E., 4.00 chs.

N.49°30'E., 2.90 chs.

N.68°00'E., 8.00 chs. Leave sand bank. Thence along sloping boulder strewn beach.

N.53°00'E., 6.64 chs. The meander cor. of secs. 20 and 29.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, cottonwood.

Undergrowth, rabbit brush and willow. Poor grazing.

Thence downstream with the meanders on the right bank of the San Juan River in sec. 20.

Along sloping bank strewn with large boulders, through medium growth of rabbit brush.

N.26°30'E., 5.20 chs.

N.7°15'W., 13.70 chs.

41
Meanders of T. 42 S., R. 20 E.

N.30°30'W., 13.90 chs.

N.24°15'W., 9.50 chs.

N.23°00'W., 15.00 chs.

N.34°15'W., 11.10 chs.

N.28°00'W., 10.20 chs.

N.41°45'W., 0.50 chs.

N.37°45'W., 5.10 chs.

Continue along sloping bank,
with occasional stretches of
surface sandstone.

N.30°00'W., 5.06 chs.

The meander cor. of secs. 17
and 20.

Land, broken; general drainage and exposure W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, rabbit brush and poor grazing.

Thence downstream with the meanders on the right bank
of the San Juan River, in sec. 17.

Along rocky shore line, through scattering rabbit brush.

N.56°39'W., 181 chs.

The meander cor. of secs. 17
and 18.

Land, broken; general drainage and exposure W.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none. Undergrowth none. Poor grazing.

Thence downstream with the meanders on the right bank
of the San Juan River, in sec. 18.

Along, rocky shore line, through scattering undergrowth.

N.63°15'W., 5.40 chs.

At 4.00 chs. mouth of draw,
drains from NE.

S.71°45'W., 11.06 chs.

The meander corner of secs. 18
and 19.

Land, broken; general drainage and exposure S.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, rabbit brush. Poor grazing.

Thence downstream with the meanders on the right bank
of the San Juan River, in sec. 19

MEANDERS OF T. 41 S., R. 20 E.

Along rocky shore line, through scattering undergrowth.

S. 22°30'W., 16.00 chs.

S. 9°00'W., 11.90 chs. Leave undergrowth.

S. 11°45'E., 6.50 chs. At 4.60 chs. mouth of wash,
drains from W.

S. 4°45'E., 10.80 chs.

S. 9°15'W., 7.82 chs. Thence around rocky point,
over cut bank, 5 ft. high.

S. 14°15'W., 1.40 chs.

S. 24°45'W., 4.39 chs. Leave cut bank, thence along
rocky shore line.

S. 32°00'W., 2.60 chs.

S. 40°45'W., 3.35 chs.

S. 50°45'W., 4.80 chs.

S. 61°00'W., 4.48 chs.

S. 72°00'W., 5.40 chs.

S. 81°30'W., 3.60 chs.

S. 88°15'W., 3.00 chs.

S. 78°30'W., 12.70 chs.

S. 86°15'W., 11.80 chs.

S. 49°45'W., 7.80 chs.

S. 17°30'W., 3.80 chs. The meander cor. of secs. 19
and 24, on the W. bdy., which
is an iron post, 3 ins. in
diam., 20 ins. in large mound
of stone, properly marked
and witnessed as described in
the official record.

Land, broken; general drainage and exposure SW.

Soil, sandy loam and surface sandstone; 3rd rate.

Timber, none.

Undergrowth, rabbit and willow.

Poor grazing.

FINAL TEST OF SOLAR ATTACHMENT.

April 20: In camp approximately 30 chs. NE. of the
Stand. cor. of T. 40 S., Rs. 20 and 21 E. at 9h
Om a.m., app. t. we set off 37°16'N., on lat. arcs
and orient the instruments with the meridian
established by Polaris observation.

At 3h Om p.m. app. t., we set off 37°16'N., on the

GENERAL DESCRIPTION

lat. arcs; $11^{\circ}33'N.$, on the decl arcs; and repeat the test of the solars; the line of sight agrees with the meridian established by Polaris observation.

GENERAL DESCRIPTION

Township 41 South, Range 20 East, is broken bench land ranging in elevation from 4,000 ft. above sea level along Comb Wash and San Juan River, to 4750 ft. on top of bench. The soil is a shallow sandy loam, with a great deal of surface sandstone, and is 3rd rate. There is a scattering growth of juniper on that portion of the bench on the east side of Comb Wash. A few scattered groves of cottonwood, along the San Juan River. A scattering growth of black brush, yellow top, mountain rush and shadscale is to be found over the entire township. The grass is very scattering and only affords poor winter grazing. The entire township appears to be overstocked and has been for a number of years, and the grazing is not regulated.

The eastern portion of the township drains into Butler and Comb washes, and the western portion drains into the San Juan River.

There is one Navajo family living in the township by the name of Jim Joe. The only industry is stock raising. The stockmen use the township for winter grazing, from October to May. I estimate that about 50 head of cattle and 100 head of sheep winter on this township.

The nearest Post Office is Bluff Utah, about 8 miles N.E. Comb Wash enters the township on the north boundary of sec. 2, and drains in a southerly direction entering the river in sec. 15. Butler Wash enters the township on the north boundary near the NE. cor. of township and drains southerly into the river in sec. 12. The San Juan River enters the township on the east boundary of sec. 12, and flowing in a

GENERAL DESCRIPTION

westerly direction leaves; the township on the west bdy. of sec. 19. This being the flood season we could not tell whether the water rises in Comb and Butler washes during the dry season.

Magnetic declination was not taken on account of defective needle.

There was no surface indication of mineral or oil.

few of no other of the townships on the west
 ew. noose book and being the flood season we

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Page

4-680
(August, 1926)

[illegible]

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

Chas. F. Moore
We ~~Robert C. Yundt~~, U. S. Surveyor, hereby certify upon honor that, in pursuance

of special instructions received from the District Cadastral Engineer for District No. 6

bearing date of the 22nd day of November, 1927 We have well, faithfully, and truly

~~our~~
in ~~my~~ own proper persons and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, surveyed all those parts or portions of T. 41 S.,

R. 20 E.

of the Salt Lake

Base and Meridian, in the State of Utah, which are represented in

the foregoing field notes as having been executed by ~~me~~ ^{us} and under ~~my~~ ^{our} direction; and that all the corners of

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, and the special written instructions of the District Cadastral Engineer for District No. 6,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of

such survey.

Salt Lake City, Utah Jan. 15, 1932

Chas. F. Moore
Robert C. Yundt
U. S. Surveyor.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver Colorado JUN 28 1938

The foregoing field notes of the survey of T. 41 S., R. 20 E. Salt Lake Base

and Meridian, Utah.

executed by Chas. F. Moore and Robert C. Yundt.

under his special instructions dated Nov. 22, 1927, 19 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wm. H. Carson
U. S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above described surveys in

has been correctly copied from the original notes on file in this office.

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BOOK A-510

BOOK "B"

FIELD NOTES

OF THE

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH,

ALONG THE SOUTH BOUNDARY OF TOWNSHIP 15 SOUTH, RANGE 11 WEST,

AND THE SECOND GUIDE MERIDIAN WEST, (TOWNSHIP 16 SOUTH, BETWEEN

RANGES 11 AND 12 WEST, AND SURVEY OF THE SUBDIVISION OF TOWNSHIP

16 SOUTH, RANGE 11 WEST.

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

KENNETH C. VINCENT, PUBLIC LAND SURVEYOR.

SIDNEY R. REESE, TRANSITMAN

ERVINE F. SMITH, TRANSITMAN

Under special instructions dated February 17,, 1934, which provided

for the surveys included under Group No. 257, bearing the approval of the

Commissioner of the General Land Office under date of April 19, 1934

supplemental
and assignment instructions dated September 10,, 1936

Survey commenced September 13,, 1936

Survey completed September 25,, 1936

INDEX DIAGRAM.

Township 16 south, Range 11 west.

	9	8	7	5	3	2
15	6 67	5 56	4 48	3 38	2 27	1
	66	65	55	46	37	26
14	7 65	8 55	9 45	10 36	11 25	12
	64	64	54	44	35	24
13	18 63	17 53	16 44	15 34	14 23	13
	62	62	53	43	33	21
13	19 61	20 52	21 42	22 32	23 20	24
	61	60	51	41	31	19
12	30 59	29 51	28 41	27 30	26 18	25
	59	58	50	40	29	17
11	31 56	32 49	33 39	34 29	35 15	36

T. 16 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

All lines in blue were surveyed by Kenneth C. Vincent,
Public Land Surveyor.

All lines in red were surveyed by Sidney R. Reese,
Transitman

All lines in green were surveyed by Ervine F. Smith,
Transitman

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Page

DESCRIPTION AND TEST OF INSTRUMENTS. T. 16 S., R. 11 W.

Chains

DESCRIPTION AND TEST OF INSTRUMENTS

The survey of T. 16 S., R. 11 W., was commenced September 13, 1936, and was executed with Buff and Buff light mountain transit No. 9978, used by Kenneth C. Vincent, Public Land Surveyor, Young and Sons light mountain transits Nos. 8394 and 8395, used by Sidney R. Reese and Ervine F. Smith, Transitlemen, (temporary), respectively. Each instrument is equipped with Smith solar attachment and full vertical circle; the horizontal limb of each transit is provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and vertical circles. These instruments were approved for use on this survey by the district cadastral engineer for Utah, conditional upon satisfactory field tests as stated in the supplemental assignment instructions dated September 10, 1936.

The instruments were in good condition at the time of this survey and all adjustments were in good order. All azimuths in this record are referred to true meridians determined by numerous observations made upon Polaris during the progress of this survey; the bearings of the lines are determined by deflection angles, and calculated courses; the lines were carried forward by double fore and back sights.

The measurements were made with Lallie steel ribbon tapes, 5 chains in length; each tape is graduated every link for the first 100 links and thereafter at intervals of 10 links. The tapes were tested by comparison with a Lufkin steel standard tape and found correct. The measurements were made on the slope; the vertical angles were determined by clinometers in good adjustment; the field record show the horizontal equivalents.

The data furnished with the special instructions gives the approximate geographic position of the southeast corner of T. 16 S., R. 11 W., as latitude $39^{\circ} 23' N.$, longitude $113^{\circ} 02' W.$

September 17, 1936, at the standard corner of T. 15 S., Rs. 10 and 11 W., in approximate latitude $39^{\circ} 28' N.$, longitude $113^{\circ} 01' W.$, at 7h 58.4m a.m. by my watch, which carries 105th meridian time as determined by radio signals, September 16, 1936, I make an hour angle observation on Polaris, west of the meridian, making two sights each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a well defined reference point, about 1 mile to the east, in the direction of east to north, to Polaris.

Local mean time of observation-----	7h 26.3m a.m.
Azinuth of Polaris-----	$1^{\circ} 20' W.$
Mean horizontal angle, Polaris to reference point-----	$91^{\circ} 20'$
True bearing of reference point-----	East

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH

SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Independent resurvey of the Third Standard Parallel South. South boundary of township 15 south, range 11 west, Salt Lake Meridian, superseding the survey executed by Joseph Gorlinski, U.S. Deputy Surveyor, in 1880.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH
SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains	
	Beginning at the standard corner of T. 15 S., Rs. 10 and 11 W., which is an iron post, 3 ins. diam., 6 ins. above ground, firmly set, marked and witnessed as described in the official record.
	West, with the establishment of the Third Standard Parallel South, along the south boundary of sec. 36, T. 15 S., R. 11 W., on a transit line describing the tangent.
	Over rolling land, with scattered volcanic rock on the surface, through medium dense short undergrowth.
4.60	Old road, bears N. about 5.00 chs. distance thence NE., and S.
5.00	Base of mountains, bears N. 10° W. about 6.00 chs. thence W., and SE.; ascend a steep E. slope.
11.92	Intersect the lot corner for lots 4 and 5, sec. 6, T. 16 S., R. 10 W., which is an iron post, 1 in. diam., set, marked and witnessed as described in the survey of T. 16 S., R. 10 W.
16.00	Rocky spur, 180 ft. above the standard township corner, projects N. 75° E.; descend a rocky NW. slope.
30.72	Intersect the closing corner of T. 16 S., Rs. 10 and 11 W. which is an iron post, 3 ins. diam., set, marked and witnessed as described in the survey of T. 16 S., R. 11 W.
33.30	Small draw, 30 ft. below spur, drains NE. about 8.00 chs. distance to main drainage; ascend a steep SE. slope.
37.30	Spur, 40 ft. above draw, projects N. 15° E. about 8.00 chs. distance; descend a steep NW. slope.
40.00	On a steep NW. slope, 20 ft. below spur. Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, with a volcanic rock, 6x3x3 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for standard $\frac{1}{4}$ sec. corner, with brass cap marked. <div style="text-align: center;">S C $\frac{1}{4}$ S. 36 <hr/>1936</div>
	From this corner the original standard $\frac{1}{4}$ sec. corner of sec. 36, which is a volcanic stone, 12x10x5 ins., lying on the ground, marked $\frac{1}{4}$ on one face, bears S. 12° 10' W., 4.55 chs. distance. I remove this stone and place alongside of iron post corner.
46.00	East side of draw, 20 ft. below the standard $\frac{1}{4}$ sec. corner, bears N. 10° E. and S. 10° W.
48.90	Bottom of draw, drains N. 10° E.
51.70	West side of draw, bears N. 10° E. and S. 10° W.; ascend a steep rocky E. slope.
62.00	Rocky spur, 60 ft. above draw, projects N. 15° E.; descend a rolling NW. slope.
70.83	North 1 lk. from the tangent. Midway, easting and westing, between the closing corner of T. 16 S., Rs. 10 and 11 W., and the closing corner of secs. 1 and 2, T. 16 S., R. 11 W.; 60 ft. below spur. On a gradual NW. slope.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH
SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains	Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, with a volcanic stone, 8x8x6 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for the $\frac{1}{4}$ sec. corner of sec. 1 only, with brass cap marked.						
	<div style="text-align: center;"> $\frac{1}{4}$ S 1 ✓ -1936 </div>						
78.90	Draw, 50 ft. below the $\frac{1}{4}$ sec. corner of sec. 1, drains NE.; ascend a rocky SE. slope.						
80.00	North 1 lk. from the tangent. On a gradual SE. slope, 10 ft. above draw. Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bedrock, with a volcanic stone, 8x8x6 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for the standard corner of secs. 35 and 36, with brass cap marked.						
	<div style="text-align: center;"> <table border="1"> <tr> <td>S C</td><td></td></tr> <tr> <td>T15S</td><td>R11W ✓</td></tr> <tr> <td>S35</td><td>S36</td></tr> </table> -1936 </div>	S C		T15S	R11W ✓	S35	S36
S C							
T15S	R11W ✓						
S35	S36						
	<p>From this corner the original standard corner of secs. 35 and 36, which is a volcanic stone, 14x14x12 ins., marked 1 notch on one edge and 5 notches on the opposite edge, lying on the ground, bears S. 10° 30' W., 4.70 chs. distance. I remove this stone and place alongside of iron post corner.</p> <p>Land, rolling on the E. 5.00 chs., and rolling mountainous on the remainder of the mile; drainage northeasterly.</p> <p>Soil, shallow, coarse, sandy clay, with a rocky surface, and underlain with a volcanic formation, 3rd rate.</p> <p>No timber.</p> <p>Undergrowth, medium dense short shadscale, mountain rush, yellowtop and desert grass.</p> <p>Fair winter grazing.</p>						
	<hr/> <p>West, along the south bdy. of sec. 35, on a transit line describing the tangent, which bears S. 89° 59.3' W.</p> <p>Over rolling mountainous land, with a rocky surface, through medium dense short undergrowth; ascend a gradual SE. slope.</p>						
13.80	Ridge, 180 ft. above the standard sec. corner, bears N. and S. about 3.00 chs., thence SE.; descend a gradual rocky W. slope.						
18.50	Head of small draw, drains N. 80° W.; descend along a gradual N. slope.						
30.50	Draw, 140 ft. below ridge, drains S.; ascend a steep rocky E. slope.						
30.94	North 2 lks. from the tangent, the closing corner of secs. 1 and 2, subsequently established at this point.						

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH

-SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains	
39.20	Spur, 90 ft. above draw, projects S.; descend a steep SW. slope.
40.00	North 2 lks. from the tangent. On a steep SW. slope, 10 ft. below spur. Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in the ground to bedrock, with a volcanic stone, 8x4x3 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for the standard $\frac{1}{4}$ sec. corner, with brass cap marked. <div style="text-align: center;">S C $\frac{1}{4}$ S35 1936</div>
	From this corner the original standard $\frac{1}{4}$ sec. corner of sec. 35, which is a volcanic stone, 14x8x3 ins., marked $\frac{1}{4}$ on one face, lying on the ground, bears S. 6° 30' W., 5.38 chs. distance. I remove this stone and deposit alongside of iron post corner.
42.90	Draw, 50 ft. below standard $\frac{1}{4}$ sec. corner,, drains S. 10° W.; ascend a gradual SE. slope.
48.50	Spur, 50 ft. above draw, projects S. 20° W.; descend a rolling NW. slope.
58.80	Draw, 120 ft. below spur, drains SW.; ascend a rolling E. slope.
59.60	Old road, bears N. 15° E. and S. 15° W.
71.04	North 3 lks. from the tangent. Midway, easting and westing, between the closing corner of secs. 1 and 2, and the closing corner of secs. 2 and 3, 70 ft. above draw. Set an iron post, 3 ft. long, 1 in. in diam., over X marked on solid rock, and in a mound of stone, 5 ft. base to top, for the $\frac{1}{4}$ sec. corner of sec. 2 only, with brass cap marked. <div style="text-align: center;">$\frac{1}{4}$ S 2 1936</div>
73.00	Spur, 60 ft. above $\frac{1}{4}$ sec. corner, projects S.; descend a gradual W. slope.
79.80	Junction of two draws, from N. and NW., 90 ft. below spur, drains S. 10° E.
80.00	North 3 lks. from the tangent. Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, and in a mound of stone to top, for the standard corner of secs. 34 and 35, with brass cap marked. <div style="text-align: center;">S C T15S R11W S 34 S 35 1936</div>
	of stone, 4 ft. base, 3 ft. high, N. of cor. raise a mound

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH
SOUTH BOUNDARY OF T. 16 S., R. 11 W.

Chains

From this corner the original standard corner of secs. 34 and 35, which is a volcanic stone, 16x10x8 ins., marked 2 notches on the E. edge, and 4 notches on the W. edge, firmly set in the ground, bears S. $0^{\circ} 45'$ W., 5.88 chs. distance. I remove this stone and place alongside of iron post corner.

Land, rough rolling mountainous, broken by small ledges and outcroppings; drainage, southwesterly.

Soil, shallow, coarse, sandy clay, underlain with a volcanic formation. 3rd rate.

No timber.

Undergrowth, medium dense short, shadscale, sagebrush, mountain-rush and desert grass.

Good winter grazing.

West, along the south bdy. of sec. 34, on a transit line describing the tangent, which bears S. $89^{\circ} 58.6'$ W.

Over rough rolling mountainous land, broken by small ledges and outcroppings, through medium dense short undergrowth; ascend a gradual NE. slope.

15.30 Spur, broken by small ledges, 140 ft. above the standard sec. corner, projects S. 20° W.; descend a broken SW. slope.

23.60 Draw, 120 ft. below spur, drains S. 10° W.; ascend a rolling NE. slope..

31.14 North 5 lks. from the tangent.

The closing corner of secs. 2 and 3, subsequently established at this point.

37.00 Spur, 50 ft. above draw, projects S. 15° W.; descend a gradual SW. slope.

40.00 North 5 lks. from the tangent.

On a gradual SW. slope, 20 ft. below spur.

Set an iron post, 3 ft. long, 1 in. in diam., 5 ins. in the ground to bedrock, with a volcanic stone, 6x5x3 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for the standard $\frac{1}{4}$ sec. corner, with brass cap marked.

SC

$\frac{1}{4}$ S34

1936

From this corner the original standard $\frac{1}{4}$ sec. corner of sec. 34, which is a volcanic stone, 13x10x5 ins., marked $\frac{1}{4}$ on N. face, firmly set in the ground, bears S. $8^{\circ} 30'$ E., 5.80 chs. distance. I remove this stone and place alongside of iron post corner.

40.50 Draw, drains S. about 3.00 chs. distance, thence S. 70° E.; ascend a steep E. slope over volcanic ledges and outcroppings.

40.60 Old road, bears N. and S.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH

SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains

- 41.00 Enter a few scattered scrub junipers, bears N. and S.
- 47.80 Spur, broken by small ledges, 140 ft. above standard $\frac{1}{4}$ sec corner, projects S. 10° E.; descend along a SW. slope.
- 61.00 Leave timber, bears N. and S.
- 61.30 Draw, 100 ft. below spur, drains S. about 8.00 chs. distance; ascend a gradual E. slope.
- 64.20 Spur, 30 ft. above draw, projects S. about 5.00 chs. distance; descend a gradual W. slope.
- 67.30 Draw, 30 ft. below spur, drains S. 20° E., about 8.00 chs. distance to junction of draw at 61.30 chs.; ascend a steep rocky E. slope.
- 71.14 North 7 lks. from the tangent.

Midway, easting and westing, between the closing corner of secs. 2 and 3, and the closing corner of secs. 3 and 4.

Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a volcanic stone, 4x4x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for the $\frac{1}{4}$ sec. corner of sec. 3 only, with brass cap marked.

$\frac{1}{4}$ S 3
1936

- 78.00 Rocky ridge, 310 ft. above the $\frac{1}{4}$ sec. corner of sec. 3, bears N. and S.; descend a steep W. slope.
- 80.00 North 7 lks. from the tangent.

On a steep rocky W. slope, 50 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, with a volcanic stone, 4x4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for standard corner of secs. 33 and 34, with brass cap marked.

SC
T15S | R11W
S33 | S34
1936

From this corner the original standard corner of secs. 33 and 34, which is a volcanic stone, 16x8x5 ins., marked 3 notches on E. and W. edges, firmly set in the ground, bears S. 10° E., 5.57 chs. distance. I remove this stone and place alongside of iron post corner.

Land, rough, rolling mountainous, broken by small volcanic ledges and outcroppings; drainage, southerly.

Soil, shallow, rocky, coarse, sandy clay, underlain with a volcanic formation. 3rd rate.

Timber, a few scattered scrub junipers on the W. central portion; no timber on remainder of the mile.

Undergrowth, medium dense short shadscale, sagebrush, mountain-rush and desert grass..

Good winter grazing.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH

SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains

West, along the south bdy. of sec. 33, on a transit line describing the tangent, which bears S. 89° 57.9' W.

Over rolling mountainous land, with a rocky surface, through medium dense short undergrowth; descend a steep W. slope.

9.40 Small draw, 220 ft. below standard sec. corner, drains N. 20° W., about 8.00 chs. thence W, from about 10.00 chs. S. 20° E.; ascend a gradual NE. slope.

11.40 Spur, 10 ft. above draw, projects N. 20° W., about 8.00 chs. distance; descend a gradual SW. slope.

24.50 Base of mountain, 110 ft. below spur, bears N. and S.; wash, 10 lks. wide, 1 ft. deep, drains SW.; thence over rolling desert land; ascend a gentle SE. slope.

30.80 Low spur, 10 ft. above wash, projects SW.; descend a gentle NW. slope.

31.14 North 10 lks. from the tangent.

The closing corner of secs. 3 and 4, subsequently established at this point.

40.00 North 10 lks. from the tangent.

On a gentle NW. slope, 50 ft. below spur.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the standard $\frac{1}{4}$ sec. corner; with brass cap marked.

SC
 $\frac{1}{4}$ S33
1936

raise a mound
of stone, 3 ft. base, 3 ft. high, N. of corner.

From this corner the original standard $\frac{1}{4}$ sec. corner of sec. 33, which is a volcanic stone, 16x12x5 ins., marked $\frac{1}{4}$ on N. face, firmly set in the ground, bears S. 7° E., 7.97 chs. distance. I remove this stone and place alongside of iron post corner.

41.80 Wash, 30 lks. wide, 5 ft. deep, drains SW.

54.00 Top of low ascent, 20 ft. above wash, slopes SW.; descend a gentle NW. slope.

56.30 Intersection of wash and road; wash, 30 lks. wide, 8 ft. deep, drains SW.; road, bears N. and S.

59.60 Wash, 20 lks. wide, 4 ft. deep, drains SW.

63.50 Wash, 15 lks. wide, 4 ft. deep, drains SW.

71.11 North 13 lks. from the tangent.

Midway, easting and westing, between the closing corner of secs. 3 and 4, and the closing corner of secs. 4 and 5.

Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, with a volcanic stone, 6x5x3 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base to top, for the $\frac{1}{4}$ sec. corner of sec. 4 only, with brass cap marked.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH
SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains

Chains

1936

75.80 Wash, 100 lks. wide, 1 ft. deep, drains S. 30° W.

80.00 North 13 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the standard corner of secs. 32 and 33, with brass cap marked.

SC
T15S R11W
S32 S33
1936

raise a mound
of stone, 3½ ft. base, 2½ ft. high, N. of corner.

From this corner the original standard corner of secs. 32 and 33, which is a volcanic stone, 16x12x8 ins., marked 4 notches on one edge and 2 notches on the opposite edge, lying on the ground, bears S. 6° 15' E., 8.30 chs. distance. I remove this stone and place alongside of iron post corner.

Land, rolling mountainous, with a rocky surface on the E. 24.50 chs.; rolling desert land on the remainder of the mile; drainage, SW.

Soil, shallow, rocky, coarse, sandy clay on the E. 24.50 chs. 3rd rate. Coarse sandy clay, with scattered rocks on the surface on the remainder of the mile. 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, sagebrush, yellowtop, mountain-rush and desert grass.

Good winter grazing.

West, along the south bdy. of sec. 32, on a transit line describing the tangent, which bears S. 89° 57.2' W.

Over rolling desert land, with scattered rocks on the surface, through medium dense short undergrowth.

10.00 North end of knoll, about 12.00 long, and 10.00 chs. wide wide, bears south 2.00 chs. distance.

14.50 Wash, 10 lks. wide, 1 ft. deep, drains SW.

31.08 North 17 lks. from the tangent.

The closing corner of secs. 4 and 5, subsequently established at this point.

40.00 North 17 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for standard ¼ sec. corner, with brass cap marked.

SC
S32
1936

raise a mound
of stone, 3½ ft. base, 2½ ft. high, N. of corner.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL SOUTH

SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains

From this corner the original standard $\frac{1}{4}$ sec. corner of sec. 32, which is a volcanic stone, 16x9x8 ins., marked $\frac{1}{4}$ on one face, lying on the ground, bears S. 6° 15' E., 8.55 chs. distance. I remove this stone and place alongside of iron post corner.

61.70 Wash, 15 lks. wide, 1 ft. deep, drains SW.

71.09 North 20 lks. from the tangent.

Midway, easting and westing, between the closing corner of secs. 4 and 5, and the closing corner of secs. 5 and 6.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. corner of sec. 5 only, with brass cap marked.

$\frac{1}{4}$ S 5

1936

raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, S. of corner.

76.40 Wash, 10 lks. wide, 1 ft. deep, drains SW.

80.00 North 20 lks. from the tangent.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the standard corner of secs. 31 and 32, with brass cap marked.

SC

T15S | R11W
S31 | S32

1936

raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, N. of corner.

From this corner the original standard corner of secs. 31 and 32, which is a volcanic stone, 16x10x7 ins., marked 5 notches on the E. edge, and 1 notch on the W. edge, firmly set in the ground, bears S. 3° 30' E., 9.12 chs. distance. I remove this stone and place alongside of iron post corner.

Land, rolling desert, with a rocky surface.

Soil, coarse sandy clay. 2nd rate.

No timber.

Undergrowth, medium dense short greasewood, shadscale, yellowtop, mountain-rush, sagebrush and desert grass.

Good winter grazing.

West, along the south bdy. of sec. 31, on a transit line describing the tangent, which bears S. 89° 56.5' W.

Over rolling desert land, with a rocky surface, through medium dense short undergrowth.

31.10 North 25 lks. from the tangent.

The closing corner of secs. 5 and 6, subsequently established at this point.

INDEPENDENT RESURVEY OF THE THIRD STANDARD BARRANCE SOUTH

SOUTH BOUNDARY OF T. 15 S., R. 11 W.

Chains

40.00 North 25 lks. from the tangent.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the standard $\frac{1}{4}$ sec. corner, with brass cap marked.

SC

$\frac{1}{4}$ S31

1936

raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, N. of corner.

From this corner the original standard $\frac{1}{4}$ sec. corner of sec. 31, which is a volcanic stone, $12 \times 12 \times 6$ ins., marked $\frac{1}{4}$ on one face, lying on the ground, bears S. $0^\circ 45'$ E., 9.70 chs. distance. I remove this stone and place alongside of iron post corner.

71.10 North 29 lks. from the tangent.

Wearing of 40.00 chains from the closing corner of secs. 5 and 6,

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. corner of sec. 6 only, with brass cap marked.

$\frac{1}{4}$ S 6

1936

raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, S. of corner.

73.60 Wash, 30 lks. wide, 6 ft. deep, drains S. 60° W.

80.00 North 29 lks. from the tangent.

Set an iron post, 3 ft. long, 3 ins. in diam., 30 ins. in the ground, for the standard corner of T. 15 S., R. 11 and 12 W., with brass cap marked.

SC

T15S

R12W | R11W

S36 | S31

1936

raise a mound of stone, $3\frac{1}{2}$ ft. base, $3\frac{1}{2}$ ft. high, N. of corner.

From this corner the original standard corner of T. 15 S., R. 11 and 12 W., which is a volcanic stone, $10 \times 8 \times 6$ ins., marked 6 notches on N., E. and W. edges, firmly set in the ground, bears S. $3^\circ 30'$ W., 10.25 chs. distance. I remove this stone and place alongside of iron post corner.

Land, rolling desert, with a rocky surface.

Soil, coarse sandy clay. 2nd rate.

No timber.

Undergrowth, medium dense short greasewood, shadscale, yellowtop, mountain-rush and desert grass.

Good winter grazing.

INDEPENDENT RESURVEY OF THE

2ND GUIDE MERIDIAN WEST, THROUGH T.16 S., BET. Rs. 11 and 12 W.

Chains

September 15, 1936, at the corner of Tps. 16 and 17 S., Rs. 11 and 12 W., which is an iron post, 3 ins. in diam., firmly set, properly marked and witnessed as described in the field notes of the survey of T. 17 S., R. 11 W., in approximate latitude 39° 23' N., longitude 113° 08' W., at 7h 02m 32s a. m. by my watch, which carries correct 105th meridian time as compared by radio signals, September 14, 1936, I make an hour angle observation on Polaris, west of the meridian, making two sights each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a well defined point on the skyline, approximately 15 miles north, west to Polaris.

Local mean time of observation----- 6h 30m a. m.
Azimuth of Polaris----- 1° 14' W.
Mean horizontal angle, from reference
point to Polaris----- 1° 14'
True bearing of reference point----- North

INDEPENDENT RESURVEY OF THE
SECOND GUIDE MERIDIAN WEST, THROUGH
T. 16 S., BETWEEN Rs. 11 AND 12 W.

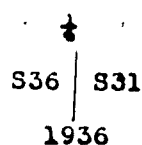
Independent resurvey superseding the survey executed by Joseph Gerlinski, U.S. Deputy Surveyor, in 1880.

From the corner of Tps. 16 and 17 S., Rs. 11 and 12 W.

North, between secs. 31 and 36, with the establishment of the Second Guide Meridian West, through T. 16 S., between Rs. 11 and 12 W.

Over gently rolling desert land, through medium dense short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground; with a volcanic stone, 6x4x4 ins., marked X, deposited at the base, for $\frac{1}{4}$ sec. corner, with brass cap marked.



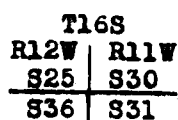
raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of corner.

No trace of the original $\frac{1}{4}$ sec. corner of secs. 31 and 36 could be found.

52.50 Road, bears N. 80° W. to Swasey Springs, and S. 80° E. to Delta, Utah.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the corner of secs. 25, 30, 31, and 36, with brass cap marked.



raise a mound

of stone, 3 ft. base, 2 ft. high, W. of corner.

INDEPENDENT RESERVE OF THE

2ND GUIDE MERIDIAN WEST, THROUGH T. 16 S., R. 41 E. and 12

Chains

and 30

From this corner the original corner of secs. 25, 30, 31, and 36, which is a volcanic stone, 14x20x5 ins., marked 5 notches on the N. edge, and 1 notch on the S. edge, bears S. 18°. 27' W., 21.35 chs. dist. I remove this stone and place alongside of iron post corner.

Land, gently rolling desert; drainage, southeasterly.

Soil, heavy sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, white sage, and yellowtop.

Good winter grazing land.

North, between secs. 25 and 30.

Over gently rolling desert land, through medium dense short undergrowth.

19.70 Graded road, bears S. 70° W., to Swasey Springs, and N. 70° E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S25 | S30

1936

of stone, 2 ft. base, 2 ft. high, W. of corner. raise a mound

No trace of the original $\frac{1}{4}$ sec. corner could be found.

From this corner the SW. end of dam of small reservoir, used for watering live stock, bears N. 61° E., 22.00 chs. dist

41.50 Old road, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 19, 24, 25, and 30, with brass cap marked.

T16S
R12W | R11W
S24 | S19
S25 | S30
1936

of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of corner. raise a mound

No trace of the original corner of secs. 19, 24, 25, and 30 could be found.

Land, gently rolling desert; drainage, southeasterly.

Soil, heavy sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, white sage, and yellowtop.

Good winter grazing land.

BOOK 4510

14.

21

100

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

21

VICTORY, GRADING S. 300 E.

21

marked.

+

4.

1936

raise a mound

No. trace of the original $\frac{1}{4}$ sec. corner of secs. 19 and 24, could be found.

21

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the corner of secs. 13, 18, 19; and 24, with brass cap marked.

T168

R12W | R11W

\$13	\$18
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S24 S19

1936

raise a mound

No trace of the original corner of secs. 13, 18, 19, and 24, could be found.

Land, gently rolling desert; drainage, southeasterly.

Soil, heavy sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, white-sage, yellowtop and desert grass.

Good winter grazing.

North, between secs. 13 and 18.

Over gently rolling desert land, through medium dense short undergrowth.

21

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S13	S18
-----	-----

1936

raise a mound

INDEPENDENT SURVEY OF THE

2ND GUIDE MERIDIAN WEST, THROUGH T. 18 N., R. 10 E. and 12 W.

Chains

No trace of the original $\frac{1}{4}$ sec. corner of secs. 13 and 18 could be found.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the corner of secs. 7, 12, 13, and 18, with brass cap marked.

T16S	
R12W	R11W
S12	S 7
S13	S18

1936

raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of corner.

From this corner the original corner of secs. 7, 12, 13, and 18, which is a volcanic stone, $6 \times 6 \times 4$ ins., marked 4 notches on one edge and 2 notches on the opposite edge, lying on the ground, bears S. $26^{\circ} 25'$ W., 21.17 chs. distance. I remove this stone and place alongside of iron post corner.

Land, gently rolling desert.

Soil, heavy sandy clay loam, with a few scattered rocks on the surface, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, bud-sage, yellowtop, mountain-rush and desert grass.

Good winter grazing.

North, between secs. 7 and 12.

Over rolling desert land, through medium dense short undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$	
S12	S 7

1936

raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of corner.

From this corner the original $\frac{1}{4}$ sec. corner of secs. 7 and 12, which is a volcanic stone, $16 \times 8 \times 6$ ins., marked $\frac{1}{4}$ on one face, lying on the ground, bears S. $26^{\circ} 52'$ W., 21.93 chs. distance. I remove this stone and place alongside of iron post corner.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the corner of secs. 1, 6, 7, and 12, with brass cap marked.

T16S	
R12W	R11W
S 1	S 6
S12	S. 7

1936

INDEPENDENT RESURVEY OF THE

2ND QUINCE MERIDIAN WEST THROUGH T. 16 S., BET. Rs. 11 AND 12 W.

Chains

of stone, 3½ ft. base, 2 ft. high, W. of corner. raise a mound

From this corner the original corner of secs. 1, 6, 7, and 12, which is a volcanic stone, 10x6x4 ins., marked 5 notches on one edge and 1 notch on the opposite edge, lying on the ground, bears S. 27° 45' W., 21.96 chs. dist. I remove this stone and place alongside of iron post corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing land.

North, between secs. 1 and 6.

Over rolling desert land, through medium dense short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for ¼ sec. corner, with brass cap marked.

$$\begin{array}{c} \frac{1}{4} \\ S\ 1 \mid S\ 6 \\ 1936 \end{array}$$

of stone, 3 ft. base, 2 ft. high, W. of corner. raise a mound

From this corner the original ¼ sec. corner of secs. 1 and 6, which is a volcanic stone, 8x6x2 ins., marked ¼ on one face, lying on the ground, bears S. 32° 33' W., 21.52 chs. dist. I remove this stone and place alongside of iron post corner.

80.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for corner of lots 4 and 5, sec. 6, and lots 1 and 8, sec. 1, with brass cap marked.

$$\begin{array}{c} S1 \mid \frac{1}{8} \mid \frac{4}{5} \mid S6 \\ 1936 \end{array}$$

of stone, 2½ ft. base, 2 ft. high, W. of corner. raise a mound

86.20 Wash, 30 lks, wide, 1 ft. deep, drains SW.

98.57 Intersect the Third Standard Parallel South, 30.88 chs. W. of the standard corner of T. 15 S., Rs. 11 and 12 W., heretofore described.

Set an iron post, 3 ft. long, 3 ins. in diam., 30 ins. in the ground, for the closing corner of T. 16 S., Rs. 11 and 12 W., with brass cap marked.

INDEPENDENT RESURVEY OF THE

2ND QUINCE MERIDIAN WEST, THROUGH T. 16 S., R. 11 W., AND 12 AND 13

Chains

antid 0

T153812W

S16

S 1 S 6

R12W R12W

T16S

CG

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, S. of corner.

From this closing corner the original closing corner of T. 16 S., Rs. 11 and 12 W., which is a volcanic stone, 9x6x6 ins., marked 6 notches on S., E., and W. edges, loosely set in the ground, bears S. 48° W., 15.68 chs. dist. I remove this stone and place alongside of iron post corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, sage and desert grass.

Good winter grazing land.

SUBDIVISION OF T. 16 S., R. 11 W.

September 13, 1936, at the corner of secs. 1, 2, 35, and 36, on the south boundary of township 16 S., R. 11 W., which is an iron post, 2 ins. in diam., 6 ins. above the ground, firmly set, marked and witnessed as described in the field notes of the survey of T. 17 S., R. 11 W., in approximate latitude 39° 23' N., longitude 113° 02' W., at 6h 28m 08s p.m. by my watch, which carries correct 105th meridian time as determined by radio signals. September 13, 1936, I make an hour angle observation on Polaris, west of the meridian, making two sights each with the telescope in direct and reversed positions, reading the horizontal deflection angle from Polaris, in the direction of east, to a well defined point on the skyline about 7 miles to the north.

Local mean time of observation----- 5h 56m p. m.
Azimuth of Polaris----- 1° 07' W.
Mean horizontal angle, Polaris east
to reference point----- 1° 07'
True bearing of reference point----- North

From reference line, I deflect an angle of 0° 01' to the west, thence

From the cor. of secs. 1, 2, 35, and 36, on the south boundary of the township.

N. 0° 01' W., between secs. 35 and 36.

Over rolling desert land, with a rocky surface, through medium dense undergrowth; ascend a gentle SW. slope.

21.10 Wash, 15 lks. wide, 2 ft. deep, drains S. 20° W.

40.00 On a gentle SW. slope. 30 ft. above sec. corner.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with a volcanic stone, 6x4x2 ins., marked X, deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
S35 | S36

1936

raise a mound of stone, 3 ft. base, 4 ft. high, W. of corner.

62.00 Wash, 15 lks. wide, 3 ft. deep, drains S. 70° W.

70.00 Top of ascent, 30 ft. above $\frac{1}{4}$ sec. corner, slopes SW.; thence along a gentle W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, and in a mound of stone to top, for corner of secs. 25, 26, 35 and 36, with brass cap marked.

T16S | R11W
S26 | S25
S35 | S36

1936

raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 4 ft. high, W. of corner.

Land, rolling desert.

Soil, coarse sandy clay loam, with a very rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, yellowtop, mountain-rush and desert grass.

Good winter grazing.

East, on a random line between secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.04 Intersect E. bdy. of Tp., 4 lks. S. of the corner of secs. 25, 30, 31, and 36, which is an iron post, 2 ins. in diam., 6 ins. above ground, firmly set, marked and witnessed as described in the survey of T. 16 S., R. 10 W.

Thence

S. 89°58' W., on true line between secs. 25 and 36..

Over rolling mountainous land, with a very rocky surface, through medium dense undergrowth; descend a gradual SW. slope.

12.30 Base of mountain, 40 ft. below sec. corner, bears N. and S.; enter rolling desert land.

12.70 Wash, 70 lks. wide, 3 ft. deep, drains S.; old road in wash, bears N. and S.

SURDIVISION OF T. 16 S., R. 11 W.

Chains	
17.00	Top of ascent, 20 ft. above wash, bears N. and S.; descend a gentle NW. slope.
33.70	East rim of draw, 40 ft. below top of ascent, bears N. and S.
39.10	Wash, 15 lks. wide, 3 ft. deep, in draw, drains S. about 5.00 chs. distance, thence SW.
40.02	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to solid rock, with a volcanic stone, 6x4x4 in. marked X, deposited at the base, and in a mound of stone, 3 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\begin{array}{r} S25 \\ \frac{1}{4} \\ S36 \\ 1936 \end{array}$
	raise a mound
	of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, N. of corner.
41.20	West rim of draw, 5 ft. above wash, bears N. and S.; ascend a gentle E. slope.
43.00	Top of low ascent, 5 ft. above rim of draw, bears N. and S.; descend a gentle W. slope.
44.90	Wash, 10 lks. wide, 1 ft. deep, in draw, 10 ft. below top of ascent, drains S.; ascend a gentle SE. slope.
48.50	Top of ascent, 10 ft. above draw, bears NE. and SW.; descend a gentle W. slope, 30 ft. to sec. corner.
80.04	The corner of secs. 25, 26, 35, and 36.
	Land, rolling mountains on the E. 12.30 chs., rolling desert on the remainder of the mile; drainage, southwest.
	Soil, rocky, coarse sandy clay loam, 2nd rate.
	No timber.
	Undergrowth, medium dense short shadscale, yellowtop, mountain-rush and desert grass.
	Good grazing land.
	<hr/>
	N. 0° 01' W., between secs. 25 and 26.
	Over rolling desert land, with scattered rocks on the surface; descend a gentle W. slope.
4.00	Slope changes to NW.
7.00	Wash, 20 lks. wide, 1 ft. deep, 10 ft. below sec. corner, drains SW.
14.40	Wash, 100 lks. wide, 2 ft. deep, drains S. 60° W.
20.00	West foot of low spur, bears N. and SE., projects from NE.
31.00	Wash, 20 lks. wide, 6 ft. deep, drains SW.; ascend a gentle SE. slope.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains
40.00

On a gentle SE. slope, 5 ft. above wash.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S26 | S25

1936

of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner. raise a mound

47.00 Old road, bears NW. and SE.

50.00 Low spur, 20 ft. above $\frac{1}{4}$ sec. corner, projects SW., about 5.00 chs. distance; descend a gentle NW. slope.

55.00 Enter open draw, 10 ft. below spur, bears N. 15° E. and S. 15° W.

75.00 Wash, 20 lks. wide, 1 ft. deep, in bottom of draw, drains S. 15° W.; ascend a gentle SE. slope.

80.00 On W. side of draw, 20 ft. above wash in draw, bears N. 15° E. and S. 15° W.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 23, 24, 25, and 26, with brass cap marked.

T16S	R11W
S23	S24
S26	S25

1936

of stone, 4 ft. base, 3 ft. high, W. of corner. raise a mound

Land, rolling desert; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered kerosene brush, white sage, yellowtop and desert grass.

Good winter grazing.

N. 89° 58' E., on a random line between secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.96 Intersect E. bdy. of Tp. 2 lks. N. of the corner of secs. 19, 24, 25, and 30, which is an iron post, 2 ins., in diam., firmly set, marked and witnessed as described in the survey of T. 16 S., R. 10 W.

Thence

S. 89° 59' W., on true line between secs. 24 and 25.

SUBDIVISION OF T. 16 N., R. 11 W.

Chains	
	Over rolling mountainous land, with a rocky surface, through scattered undergrowth; ascend over a rolling SE. slope.
14.50	Spur, 20 ft. above sec. corner, projects S. 50° W. about 80.00 chs. distance, from NE. about 15.00 chs. distance; descend a gradual NW. slope.
20.50	Wash, 30 lks. wide, 1 ft. deep, in draw, 50 ft. below spur, drains S. about 3.00 chs. distance thence SW.; ascend a gradual SE. slope.
34.00	Spur, 140 ft. above draw, projects S. 20° E. about 15.00 chs. distance, thence SW.; descend a gradual W. slope.
39.98	On a gradual W. slope, 40 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in diam., 24 in. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\frac{1}{4}$ S24 S25
	1936
	raise a mound of stone, 4 ft. base, 3 ft. high, N. of corner.
48.50	Draw, 80 ft. below $\frac{1}{4}$ sec. corner, drains S. 20° W.; ascend a gradual E. slope.
51.50	Spur, 130 ft. above draw, projects S.; descend a gradual W. slope.
52.80	Draw, 10 ft. below spur, drains S.; ascend a gradual E. slope.
63.00	Spur, 130 ft. above draw, projects S. 10° W.; descend a gradual NW. slope.
77.40	Foot of spur, 140 ft. below spur, bears N. 15° E., and S. 15° W.; thence over rolling land.
78.40	Draw, drains S. 15° W.
79.96	The corner of secs. 23, 24, 25, and 26.
	Land, rolling mountainous on the E. 77.40 chs., and rolling land on the remainder of the mile; drainage, southwesterly.
	Soil, rocky, coarse sandy clay loam, 2nd rate.
	No timber.
	Undergrowth, scattered shadscale, yellowtop, mountain-rush white sage and desert grass.
	Good winter grazing.
	N. 0° 01' W., between secs. 23 and 24.
	Over rolling desert land, with a rocky surface, through medium short undergrowth; ascend a gentle SE. slope.

SUBDIVISION OF T. 16 S., R. 11 W.

- Chains**
 8.30 Base of rolling spur, .. bears E. and S. 15° W.; ascend a gradual rocky S. slope.
 14.30 Spur, 90 ft. above sec. corner, projects W. about 2.00 chs. distance, thence S. 15° W.; descend a gradual rocky N. slope.
 30.00 Wash, 20 lks. wide, 1 ft. deep, 60 ft. below spur, drains S. 60° W.; thence over rolling land.
 33.00 Wash, 15 lks. wide, 1 ft. deep, drains SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a volcanic stone, 4x4x2 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

†

S23 | S24

1936

- 55.00 Head of draw, drains S. 30° W.; ascend a gradual rocky S. slope.
 58.80 Spur, 40 ft. above $\frac{1}{4}$ sec. corner, projects S. 30° W., from S.; descend a gradual N. slope.
 62.00 Wash, 30 lks. wide, 3 ft. deep, in draw, 10 ft. below spur, drains SW.; ascend a gradual SE. slope.
 65.90 Old road, bears N. 60° E. and S. 60° W.
 75.00 Spur, 90 ft. above draw, projects SW.; descend a gradual NW. slope.
 80.00 On a gradual NW. slope, 10 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a volcanic stone, 6x4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for corner of secs. 13, 14, 23, and 24, with brass cap marked.

T16S	R11W
S14	S13
S23	S24

1936

Land, rolling mountains; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, underlain with a volcanic formation, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing.

N. 89° 59' E., on a random line between secs. 13 and 24.

- 40.00 Set temp. $\frac{1}{4}$ sec. corner.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

- 80.02 Intersect E. bdy. of Tp. 16 lks. S. of the corner of secs. 13, 18, 19, and 24, which is an iron post, 2 ins. in diam. firmly set, marked and witnessed as described in the survey of T. 16 S., R. 10 W.
- Thence
- S. 89° 52' W., on true line between secs. 13 and 24.
- Over rolling mountainous land, with a rocky surface, through medium dense undergrowth; descend a gradual W. slope.
- 2.30 Small draw, 20 ft. below sec. corner, drains N. about 5.00 chs. distance to draw draining W.; ascend a gradual E. slope.
- 4.00 Slope changes to N. slope.
- 12.30 Spur, 30 ft. above draw, projects N. about 5.00 chs. distance; descend a rolling NW. slope.
- 19.40 East side of draw, bears N. 15° E. and S. 15° W.
- 22.00 Wash, 100 lks. wide, 2 ft. deep, in draw, 60 ft. below spur, drains S. 15° W.
- 23.10 West side of draw, bears N. 20° E. and S. 20° W.; ascend a gradual SE. slope.
- 26.20 Spur, 50 ft. above draw, projects SW.; descend a gradual rolling NW. slope.
- 36.00 Draw, 70 ft. below spur, drains SW.; ascend a gradual SE. slope.
- 40.01 On a gradual SE. slope, 10 ft. above draw.
- Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a volcanic stone, 6x4x4 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
- $$\begin{array}{r} S13 \\ + S24 \\ \hline 1936 \end{array}$$
- 41.30 Spur, 10 ft. above sec. corner, projects SW.; descend a gradual rolling NW. slope.
- 52.10 Draw, 40 ft. below spur, drains W. from NE., thence along draw.
- 57.20 Junction of draws from N. and E., drains S. about 3.00 chs. distance, thence SW.; ascend a gradual rolling SE. slope.
- 62.90 Old road, bears S. 30° W. and N. 30° E.
- 73.80 Spur, 90 ft. above draw, projects SW.; descend a gradual NW. slope.
- 80.02 The corner of secs. 13, 14, 23, and 24, 60 ft. below spur.
- Land, rolling mountainous; drainage, southwesterly.
- Soil, rocky, coarse sandy clay loam, with a rocky surface, 2nd rate.
- No timber.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

Undergrowth, medium dense shadscale, and scattered mountain-rush, white sage and desert grass.

Good winter grazing.

N. 0° 01' W., between secs. 13 and 14.

Over rocky, rolling mountainous land, through medium dense undergrowth; descend a gradual NW. slope.

2.90 Draw, 20 ft. below sec. corner, drains SW.; ascend a gradual SE. slope.

8.70 Spur, 40 ft. above draw, projects SW.; descend a gradual NW. slope.

14.80 Draw, 60 ft. below spur, drains SW.; ascend a gradual SE. slope.

18.50 Spur, 40 ft. above draw, projects SW. about 15.00 chs. distance; descend a gradual NW. slope.

25.20 Draw, 50 ft. below spur, drains SW.; ascend a gradual SE. slope.

29.50 Spur, 40 ft. above draw, projects SW. about 15.00 chs. distance; descend a gradual NW. slope.

40.00 On a gradual NW. slope, 40 ft. below spur.

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a volcanic stone, 8x6x4 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

+

S14 | S13

1936

45.70 Draw, 10 ft. below $\frac{1}{4}$ sec. corner, drains SW.; ascend a gradual SE. slope.

62.30 Spur, 60 ft. above draw, projects S. 30° W.; descend a gradual NW. slope.

71.00 Draw, 20 ft. below spur, drains S. 50° W.; ascend a gradual SE. slope.

73.20 Spur, 20 ft. above draw, projects SW.; descend a gradual NW. slope.

76.30 Draw, 30 ft. below spur, drains SW.; ascend a gradual SE. slope.

80.00 On a gradual SE. slope, 40 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. in diam., 15 ins. in the ground to bedrock, with a volcanic stone, 6x4x3 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for corner of secs. 11, 12, 13, and 14, with brass cap marked.

T16S | R11W

S11 | S12

S14 | S13

1936

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	
	<p>Land, rolling mountainous; drainage, southwesterly.</p> <p>Soil, rocky, coarse sandy clay loam, with the surface covered with rocks, 3rd rate.</p> <p>No timber.</p> <p>Undergrowth, medium dense shadscale, and scattered yellowtop, white sage, mountain-rush and desert grass.</p> <p>Good winter grazing.</p>
	<p>N. 89° 52' E., on a random line between secs. 12 and 13.</p>
40.00	Set temp. $\frac{1}{4}$ sec. corner.
80.08	Intersect E. bdy. of Tp. 2 lks. S. of the corner of secs. 7, 12, 13, and 18, which is an iron post, 2 ins. in diam. firmly set, marked and witnessed as described in the survey of T. 16 S., R. 10 W.
	Thence
	S. 89° 51' W., on true line between secs. 12 and 13.
	Over rocky, rolling mountainous land, through scattered undergrowth; descend a gradual W. slope.
10.70	East side of wash, in draw, bears E. 10° E. and S. 10° W.
12.60	Wash, in bottom of draw, 90 ft. below sec. corner, drains S. 10° W.; old road, bears N. 10° E. and S. 10° W.
13.20	West side of wash, in draw, bears N. 10° E. and S. 10° W. ascend an abrupt E. slope.
18.50	Spur, 160 ft. above draw, projects S.; descend an abrupt W. slope.
21.60	Wash, 10 lks. wide, 2 ft. deep, in draw, 50 ft. below spur, drains S. 20° E.; ascend an abrupt E. slope.
27.30	Spur, 90 ft. above draw, projects S. 10° E.; descend a steep SW. slope.
30.80	Head of draw, 70 ft. below spur, drains S. 10° E.; ascend a steep E. slope.
36.40	Ridge, 80 ft. above head of draw, bears N. 10° E. and S. 10° W.; descend a steep W. slope.
40.04	On a steep W. slope, 40 ft. below ridge.
	<p>Set an iron post, 3 ft. long, 1 in. in diam., 17 ins. in the ground to bedrock, with a volcanic stone, 6x4x3 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.</p>
	<p>S12 ✓</p> <p>S13</p> <p>1936</p>
45.30	Wash, 10 lks. wide, 2 ft. deep, in small draw, 90 ft. below $\frac{1}{4}$ sec. corner; drains E. 70° W.; descend gradually along draw.

SUBDIVISION OF T. 16 S., R. 11 W.

- Chains**
- 54.20 Bend in wash, 40 lks. wide, 2 ft. deep, in draw, drains N. 80° W. from N. 80° E.
- 69.20 Same wash, 30 lks. wide, 3 ft. deep, in draw, 100 ft. below $\frac{1}{4}$ sec. corner, drains SW.; ascend a steep SE. slope.
- 73.10 Spur, 60 ft. above draw, projects S. 30° W.; descend a steep NW. slope.
- 78.40 Wash, 10 lks. wide, 2 ft. deep, in draw, 60 ft. below spur drains S. 25° W.; ascend a steep SE. slope.
- 80.08 The corner of secs. 11, 12, 13, and 14, 20 ft. above draw.
- Land, rolling mountainous; drainage, southeasterly on the E. portion, and southwesterly on the W. portion.
- Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.
- No timber.
- Undergrowth, scattered shadscale, yellowtop, mountain rush and desert grass.
- Good winter grazing.

E. 0° 01' W., between secs. 11 and 12.

- Over rolling mountainous land, with a rocky surface, through scattered undergrowth; ascend a gradual SE. slope.
- 9.60 Spur, 30 ft. above sec. corner, projects SW.; descend a NE. slope.
- 14.50 Draw, 60 ft. below spur, drains N. 60° W.; ascend a gradual SW. slope.
- 17.10 Spur, 20 ft. above draw, projects W. about 4.00 chs. distance; descend a gradual N. slope.
- 21.00 Draw, 50 ft. below spur, drains W.; ascend a gradual SE. slope.
- 22.10 Old road, bears N. 70° E. and S. 70° W.
- 26.30 Spur, 40 ft. above draw, projects SW.; descend a gradual NW. slope.
- 29.90 Draw, 10 ft. below spur, drains S. 30° W.; ascend a gradual SE. slope.
- 40.00 On a gradual SE. slope, 20 ft. above draw.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with a volcanic stone, 4x4x3 ins., marked X, deposited at the base, and in a mound of stone, 3 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S11 | S12

1936

raise a mound
of stone, 3 ft. base, 2 ft. high, W. of corner.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

- 44.40 Spur, 30 ft. above $\frac{1}{4}$ sec. corner, projects S. 80° W.; descend a steep N. slope.
- 52.00 Draw, 70 ft. below spur, drains N. 65° W.; ascend a gradual SW. slope.
- 56.00 Spur, 10 ft. above draw, projects W.; descend a gradual N. slope.
- 59.96 Draw, 20 ft. below spur, drains S. 80° W.; ascend a gradual S. slope.
- 73.90 Spur, 190 ft. above draw, projects W.; descend a gradual N. slope.
- 80.00 On a gradual N. slope, 60 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with a volcanic stone, 4x3x3 ins., marked X, deposited at the base, and in a mound of stone, 2 ft. base to top, for corner of secs. 1, 2, 11, and 12, with brass cap marked.

T16S	R11W
S. 2	S. 1
S11	S12

1936

of stone, 3 ft. base, 3 ft. high, W. of corner. raise a mound

Land, rolling mountainous; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface 3rd rate.

No timber.

Undergrowth, scattered shadscale, yellowtop, mountain rush and desert grass.

Good winter grazing.

N. 89° 51' E., on a random line between secs. 1 and 12.

- 40.00 Set temp. $\frac{1}{4}$ sec. corner.

- 80.08 Intersect E. bdy. of Tp. 7 $\frac{1}{2}$ ks. S. of the corner of secs. 1, 6, 7, and 12, which is an iron post, 2 ins. in diam., firmly set, marked and witnessed as described in the survey of T. 16 S., R. 10 W.

Thence

S. 89° 48' W., on true line between secs. 1 and 12.

Over rocky, rolling mountainous land, through scattered undergrowth; descend an abrupt NW. slope.

- 6.00 Draw, 140 ft. below sec. corner, drains SW.; ascend an abrupt SE. slope.

- 10.80 Spur, 70 ft. above draw, projects S. 10° W.; descend an abrupt W. slope.

- 18.10 Draw, 100 ft. below spur, drains S.; ascend an abrupt E. slope.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	
23.50	Ridge, 70 ft. above draw, bears N. and S. 10° W.; descend a gradual NW. slope.
39.80	Draw, 100 ft. below ridge, drains SW.; thence along draw.
40.04	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, with a volcanic stone, 6x3x2 ins., marked X, deposited at the base, and in a mound of stone, 3 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\frac{1}{4}$ S 1 S12 1936
44.40	Wash in same draw, drains N. 80° W.
47.90	Wash in same draw, drains S. 60° W.; ascend a gradual SE. slope.
58.50	Spur, 80 ft. above draw, projects S. 80° W.; descend a gradual NW. slope.
80.08	The corner of secs. 1, 2, 11, and 12, 80 ft. below spur. Land, rolling mountainous; drainage, southwesterly. Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate. No timber. Undergrowth, scattered shadscale, yellowtop, mountain-rush and desert grass. Good winter grazing.
	<hr/> N. 0° 01' W., on true line between secs. 1 and 2. Over rolling mountainous land, with a rocky surface, through scattered undergrowth; descend a gradual NW. slope.
4.10	South side of bottom of draw, bears E. and W.
4.90	Wash, 20 lks. wide, 2 ft. deep, in bottom of draw, 10 ft. below sec. corner, drains W.;
5.70	Old road, bears N. 80° E. and S. 80° W.
7.50	North side of draw; ascend a gradual S. slope.
12.30	Point of spur, 30 ft. above draw, slopes SE. about 2.00 chs. distance; ascend along a gradual E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, with a volcanic stone, 4x3x2 ins., marked X, deposited at the base, and in a mound of stone, 3 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\frac{1}{4}$ S 2 S 1 1936
	At this point slope changes to S. slope.

SUBDIVISION OF T. 16 S., R. 11 W.

- Chains**
 53.40 Spur, 150 ft. above $\frac{1}{4}$ sec. corner; projects S. 40° W.; descend a steep NW. slope.
 63.10 South side of bottom of draw, bears N. 50° E. and S. 75° W.
 68.10 Wash, 20 lks. wide, 4 ft. deep, in bottom of draw, 140 ft. below spur, drains S. 70° W.
 69.90 North side of bottom of draw, bears N. 50° E. and S. 70° W.; ascend a steep SE. slope.
 80.00 On top of ascent, 100 ft. above draw, slopes E.
 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a volcanic stone, 3x2x2 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base to top, for corner of lots 4 and 5, sec. 1, and lots 1 and 8, sec. 2, with brass cap marked.

S2 $\frac{1}{8} \frac{4}{5}$ S 1
 1936

Descend a gradual NE. slope.

- 86.50 Enter bottom of draw, bears N. 10° W. and S. 10° E.; thence across bottom of draw.
 88.40 Wash, 10 lks. wide, 1 ft. deep, in bottom of draw, 70 ft. below top of ascent, drains S. 10° E. from N. 10° W.
 92.60 Same wash, 10 lks. wide, 1 ft. deep, drains S. 10° W. from N. 5° E.; ascend a gradual E. slope.
 99.04 Intersect the Third Standard Parallel South, 9.06 chs. E. of the standard $\frac{1}{4}$ sec. corner of sec. 35, heretofore described.

On a gradual E. slope, 10 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the closing corner of secs. 1 and 2, T. 16 S., R. 11 W., with brass cap marked.

T16S R11W
 S35
 S2 S1
 T16S R11W
 CC
 1936

raise a mound of stone, 3 ft. base, 3 ft. high, S. of corner.

Land, rolling mountainous; drainage, southwesterly.

Soil, rocky; coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, scattered shadscale, yellowtop, mountain-rush, and desert grass.

Good winter grazing.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

From the corner of secs. 2, 3, 34, and 35, on the south boundary of the township, which is an iron post, 2 ins. in diam., firmly set, marked and witnessed as described in the survey of T. 17 S., R. 11 W.

E. 0° 01' W., between secs. 34 and 35.

Over rolling desert land, with a rocky surface, through medium dense short undergrowth; descend a gentle NW. slope.

1.80 Rim of draw, bears NE. and SW.

4.80 Wash, 50 lks. wide, 1 ft. deep, in draw, 10 ft. below sec. corner, drains SW.; ascend a gentle SE. slope.

30.00 Rim of draw, bears NE. and SW.

40.00 On gentle SE. slope, 30 ft. above draw.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
S34 | S35

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

47.40 Old road, bears N. 30° E. and S. 30° W.

80.00 On a gentle SE. slope, 40 ft. above $\frac{1}{4}$ sec. corner.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 26, 27, 34, and 35, with brass cap marked.

T16S | R11W
S27 | S26
S34 | S35

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered mountain-rush and desert grass.

Good winter grazing.

East, on a random line between secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.08 Intersect N. and S. line, 7 lks. N. of the corner of secs. 25, 26, 35, and 36.

Thence.

SUBDIVISION OF T. 15 S., R. 11 E.

Chains

antid 0

N. 89° 57' W., on true line between sec. 26 and 35.

Over rolling desert land, with a rocky surface, through medium dense undergrowth.

15.10 Rim of draw, bears N. 30° E. and S. 30° W.; descend a gentle NW. slope.

19.60 Wash, 150 lks. wide, 2½ ft. deep, in draw, 20 ft. below sec. corner, drains S. 30° W.; ascend a gentle SE. slope.

23.10 Rim of draw, 19 ft. above draw, bears N. 30° E. and S. 30° W.

40.04 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for ¼ sec. corner, with brass cap marked.

$$\frac{1}{4} \frac{S26}{S35}$$

1936

raise a mound

of stone, 3 ft. base, 3 ft. high, N. of corner.

43.40 Wash, 100 lks. wide, 4 ft. deep, drains S. 15° W.

58.90 Wash, 30 lks. wide, 1 ft. deep, drains S. 20° W.

63.80 Wash, 10 lks. wide, 1 ft. deep, drains S. 30° W.

68.20 Old road, bears N. and S.

80.08 The corner of secs. 26, 27, 34, and 35.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered mountain-rush, yellowtop and desert grass.

Good winter grazing.

N. 0° 01' W., between secs. 26 and 27.

Over rolling desert land, with a rocky surface, through medium dense undergrowth.

36.80 Wash, 15 lks. wide, 1 ft. deep, drains S. 60° W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for ¼ sec. corner, with brass cap marked.

$$\frac{1}{4} \frac{S27}{S26}$$

1936

raise a mound

of stone, 3 ft. base, 3 ft. high, W. of corner.

55.90 Wash, 5 lks. wide, 1 ft. deep, drains SW.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

63.90

Wash, 5 lks. wide, 1 ft. deep, drains SW.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for corner of secs. 22, 23, 26, and 27, with brass cap marked.

T16S	R11W
S22	S23
S27	S26

1936

of stone, 3 ft. base, 3 ft. high, W. of corner. raise a mound

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd. rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered mountain-rush, yellowtop and desert grass.

Good winter grazing.

S. 89° 57' E., on a random line between secs. 23 and 26.

40.00

Set temp. $\frac{1}{4}$ sec. corner.

80.06

Intersect N. and S. line, 2 lks. S. of the corner of secs. 23, 24, 25, and 26.

Thence

N. 89° 58' W., on true line between secs. 23 and 26.

Over rolling mountainous land, with a rocky surface, through medium dense undergrowth; ascend a gradual E. slope.

3.10

Spur, 20 ft. above sec. corner, projects S.; descend a gradual W. slope.

13.30

Draw, 20 ft. below spur, drains S.; ascend a gradual E. slope.

20.20

Spur, 50 ft. above draw, projects S.; descend a gradual W. slope.

25.80

Draw, 50 ft. below spur, drains S.; ascend a gradual E. slope.

29.10

Rocky spur, broken by ledges, 20 ft. above draw, projects S. about 3.00 chs. distance; descend a gradual rocky W. slope.

33.10

Old road along base of mountains, bears N. and S.; thence over rolling desert land.

40.03

On a gentle W. slope, 50 ft. below spur.

Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a volcanic stone, 5x4x1 $\frac{1}{2}$ ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

- $\frac{1}{4}$ $\frac{S23}{S26}$
 1936
- 41.10 Wash, 10 lks. wide, 1 ft. deep, drains S. 15° W.
- 70.10 Wash, 5 lks. wide, 1 ft. deep, drains S. 30° W.
- 80.06 The corner of secs. 22, 23, 26, and 27, 30 ft. below $\frac{1}{4}$ sec. corner.
- Land, rolling mountainous on the E. 33.10 chs., rolling desert on the remainder of the mile; drainage, southwest.
- Soil, rocky, coarse sandy clay loam, with a rocky surface, on the E. portion, 3rd rate. Coarse sandy clay loam, with a rocky surface, on the W. portion, 2nd rate.
- No timber.
- Undergrowth, medium dense short shadscale, kerosene brush and scattered yellowtop, mountain-rush and desert grass.
- Good winter grazing.
-
- N. 0° 01' W., between secs. 22 and 23.
- Over rolling desert land, with a rocky surface, through medium dense undergrowth.
- 24.10 Wash, 20 lks. wide, 3 ft. deep, drains S. 75° W.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.
- $\frac{1}{4}$
 S22 | S23
 1936
- raise a mound
- of stone, 3 ft. base, 3 ft. high, W. of corner.
- 40.40 Wash, 20 lks. wide, 1½ ft. deep, drains S. 60° W.
- 50.00 Rim of draw, 20 ft. above $\frac{1}{4}$ sec. corner, bears NE. and SW.; descend a gentle NW. slope.
- 60.00 Wash, 30 lks. wide, 2 ft. deep, in draw, 20 ft. below rim of draw, drains S. 70° W.; ascend a gentle SE. slope.
- 64.60 Low spur, 20 ft. above draw, projects S. 70° W.; descend a gentle NW. slope.
- 68.20 Wash, 15 lks. wide, 6 ft. deep, drains S. 80° W.; ascend a gentle SE. slope.
- 80.00 On rim of draw, 30 ft. above draw, bears NE. and SW.
- Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for corner of secs. 14, 15, 22, and 23, with brass cap marked.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

T16S	R11W
S15	S14
S22	S23

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse, sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and kerosene brush, and scattered mountain-rush, white sage and desert grass.

Good winter grazing.

S. 89° 58' E., on a random line between secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.06 Intersect N. and S. line, 2 lks. N. of the corner of secs. 13, 14, 23, and 24.

Thence

N. 89° 57' W., on true line between secs. 14 and 23.

Over mountainous land, with a rocky surface, through medium dense short undergrowth; descend a gradual NW. slope.

2.40 Draw, 30 ft. below sec. corner, drains SW.; ascend a gradual SE. slope.

5.10 Spur, 20 ft. above draw, projects SW. about 7.00 chs. distance; descend a gradual NW. slope.

15.10 Base of mountains, 40 ft. below spur, bears NE. and SW.; thence over rolling desert land.

22.00 Wash, 30 lks. wide, 4 ft. deep, 20 ft. below base of mountain, drains S. 30° W.; ascend a gentle SE. slope.

24.10 Low spur, 10 ft. above wash, projects S. 30° W.; descend a gentle NW. slope.

30.10 Enter draw, bears N. and S.; thence across draw.

38.00 Wash, 40 lks. wide, 3½ ft. deep, in draw, 10 ft. below spur, drains S.

40.03 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S14
S23

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, N. of corner.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

- 47.10 Volcanic rocky knoll, bearing NE. and SW., about 8.00 chs. long, and 2.00 chs. wide, bears S., 10.00 chs. distance.
- 48.40 Low spur, 50 ft. above wash, projects S. 30° W. about 8.00 chs. distance; descend a gradual NW. slope.
- 57.10 Enter draw, bears NE. and SW.; old road, bears N. and S.; thence across draw.
- 66.60 Wash, 50 lks. wide, 2 ft. deep, in draw, 160 ft. below spur, drains SW.
- 72.20 Leave draw, bears NE. and SW.; ascend a gradual SE. slope.
- 80.06 The corner of secs. 14, 15, 22, and 23, 30 ft. above wash.

Land, rolling mountainous on the E. 15.10 chs.; rolling desert on the remainder of the mile; drainage, southwestern.

Soil, rocky, coarse sandy clay loam, with a rocky surface. 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered mountain-rush, yellowtop and desert grass.

Good winter grazing land.

N. 0° 01' W., between secs. 14 and 15.

Over rolling desert land, with a rocky surface, through medium dense short undergrowth.

- 10.70 Wash, 10 lks. wide, 1 ft. deep, drains SW.

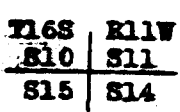
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.



raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.

- 41.80 Wash, 40 lks. wide, 2 ft. deep, drains S. 55° W.; ascend a gradual S. slope.
- 65.00 Foot of spur, bears E. and W.; ascend a gradual S. slope.
- 71.00 Spur, 90 ft. above wash, projects N. 75° E.; descend a gradual N. slope.
- 80.00 At base of spur, 30 ft. below spur, bears NW. and SE.

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, with a volcanic stone, 6x4x2 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for corner of secs. 10, 11, 14, and 15, with brass cap marked.



1936

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

Land, rolling desert; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered kerosene brush, yellowtop, mountain-rush and desert grass.

Good winter grazing land.

S. 89° 57' E., on a random line between secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.04 Intersect N. and S. line, 7 $\frac{1}{2}$ lks. N. of the corner of secs. 11, 12, 13, and 14.

Thence

N. 89° 54' W., on true line between secs. 11 and 14.

Over mountainous land, with a rocky surface, through medium dense short undergrowth; ascend a gradual E. slope.

5.40 Spur, 40 ft. above sec. corner, projects S. 15° W.; descend a gradual W. slope.

16.20 Wash, 30 lks. wide, 3 $\frac{1}{2}$ ft. deep, in draw, 110 ft. below spur, drains SW.; ascend a gradual E. slope.

17.40 Old road, bears NE. and SW.; ascend a steep E. slope.

25.50 Rocky spur, broken by ledges, 90 ft. above draw, projects S. about 5.00 chs. distance; descend an abrupt W. slope.

27.70 Draw, 100 ft. below rocky spur, drains S. from about 7.00 chs. N.; ascend a gradual E. slope.

30.90 Low spur, 20 ft. above draw, projects S. 15° W. about 5.00 chs. distance; descend a gradual W. slope.

38.00 Base of mountains, 40 ft. below spur, bears N. and S.; enter rolling desert land.

40.02 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to solid rock, with a volcanic stone, 3x3x2 ins., marked X, deposited at the base, and in a mound of stone, 3 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ $\frac{S11}{S14}$

1936

raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.

47.30 Old road, bears N. and S.

48.00 Wash, 30 lks. wide, 3 ft. deep, drains S. 15° W.

58.10 Volcanic outcropping, bears N. 2.00 chs. distance and S. 2.00 chs. distance, 1.00 ch. wide.

65.00 Wash, 20 lks. wide, 3 ft. deep, drains S. 10° W.

SUBDIVISION OF T. 12 S., R. 11 W.

Chains
80.04

The corner of secs. 10, 11, 14, and 15 is marked

Land, rolling mountainous on the E. 38.00 chs.; rolling desert on the remainder of the mile; drainage, southwesterly.

Soil, rocky, coarse, sandy clay loam, with a rocky surface and with volcanic outcroppings in places, 3rd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered yellowtop, white sage, and desert grass.

Good winter grazing land.

N. 0° 01' W., between secs. 10 and 11.

Over rolling desert land, with a rocky surface, through medium dense undergrowth; ascend 70 ft. to $\frac{1}{4}$ sec. corner.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., .3 ins. in the ground to bedrock, with a volcanic stone, 6x4x1 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S10 | S11

1936

57.90 Wash, 30 lks. wide, $1\frac{1}{2}$ ft. deep, drains SW.; ascend a gradual S. slope. Enter low hilly land, bears NE. and SW.

76.80 Low spur, 50 ft. above $\frac{1}{4}$ sec. corner, projects S. 10° E.; thence along NE. slope.

80.00 At base of NE. slope.

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for corner of secs. 2, 3, 10, and 11, with brass cap marked.

T16S | R11W

S 3 | S 2

S10 | S11

1936

of stone, 3 ft. base, 3 ft. high, W. of corner. raise a mound

Land, rolling desert on the S. 57.90 chs.; low rolling hills on the remainder of the mile; drainage, southwest.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing land.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	
	S. 89° 54' E., on a random line between secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. corner.
80.10	Intersect N. and S. line, 9 lks. N. of the corner of secs. 1, 2, 11 and 12.
	Thence
	N. 89° 50' W., on true line between secs. 2 and 11.
	Over rolling mountainous land, with a rocky surface, through medium dense undergrowth; descend a gradual NW. slope.
11.40	Draw, 90 ft. below sec. corner, drains S. 25° W.; ascend a gradual SE. slope.
25.90	Spur, 150 ft. above draw, projects S. 20° W.; descend a steep NW. slope.
32.10	Draw, 80 ft. below spur, drains S. 20° W.; ascend a gradual SE. slope.
37.80	Spur, 50 ft. above draw, projects S. 10° W.; descend a steep W. slope.
40.05	On a steep W. slope, 30 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, with a volcanic stone, 4x3x2 ins., marked X, deposited at the base, and in a mound of stone, 3 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\frac{1}{4} \frac{S 2}{S 11}$
	1936
	raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.
48.90	Base of mountains, 60 ft. below $\frac{1}{4}$ sec. corner, bears N. and S.; thence over low rolling hills.
53.50	Road, bears N. 15° W. and S. 15° E.
55.30	Wash, 50 lks. wide, 3 ft. deep, drains S. 15° E.; ascend a gentle E. slope.
69.60	Low spur, 10 ft. above wash, projects S. 10° E.; descend a gentle W. slope.
73.10	Wash, 12 lks. wide, 1 ft. deep, 10 ft. below spur, drains S. 10° E.; ascend a gentle NE. slope.
80.10	The corner of secs. 2, 3, 10, and 11, 10 ft. above wash.
	Land, rolling mountainous on the E. 48.90 chs.; low rolling hills on the remainder of the mile; drainage, southerly.
	Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.
	No timber.
	Undergrowth, medium dense short shadscale, and scattered yellowtop, mountain-rush and desert grass.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	
	Good winter grazing land.
	N. 0° 01' W., on true line between secs. 2 and 3.
	Over rolling hills, with a rocky surface, through medium dense undergrowth; ascend a gradual SE. slope.
8.80	Spur, 60 ft. above sec. corner, projects NE. about 5.00 chs. distance; descend a gradual NW. slope.
13.30	Small draw, 15 ft. below spur, drains SE.; ascend a gradual S. slope.
17.80	Low spur, 10 ft. above draw, projects W. about 5.00 chs. distance; descend a gradual N. slope.
19.70	Small draw, 10 ft. below spur, drains W. about 6.00 chs. thence S.; ascend a gradual SE. slope.
26.90	Spur, 40 ft. above draw, projects SW.; descend a gradual NW. slope.
29.90	Head of draw, 30 ft. below spur, drains SW.; ascend a gradual SW. slope.
36.30	Same spur at 26.90 chs., 60 ft. above head of draw, projects SE.; descend a rolling NE. slope.
40.00	On a gradual NE. slope, 20 ft. below spur. Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\begin{array}{c} \frac{1}{4} \\ S\ 3 \mid S\ 2 \\ 1936 \end{array}$
	raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.
42.00	Small draw, 10 ft. below $\frac{1}{4}$ sec. corner, drains SE.; ascend a gradual SW. slope.
51.40	Spur, 120 ft. above draw, projects SE.; descend a gradual NE. slope.
57.40	Small draw, 20 ft. below spur, drains SE.; ascend a steep SW. slope.
63.90	Spur, 100 ft. above draw, projects SE.; descend a gradual NE. slope.
77.50	Small draw, 110 ft. below spur, drains SE.; ascend a steep SW. slope.
80.00	On a steep SW. slope, 40 ft. above draw. Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, with a volcanic stone, 6x3x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for corner of lots 4 and 5, sec. 2, and lots 1 and 8, sec. 3, with brass cap marked.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

$$S3 \frac{1}{8} \frac{4}{5} S2$$

1936

- 82.40 Spur, 20 ft. above $\frac{1}{4}$ sec. corner, projects SE.; descend a steep NE. slope.
- 91.50 Draw, 100 ft. below spur, drains SE.; ascend a steep SW. slope.
- 95.50 Spur, 100 ft. above draw, projects SE.; descend a gradual NE. slope.
- 98.74 Intersect the Third Standard Parallel South, 8.86 chs. E. of the standard $\frac{1}{4}$ sec. corner of sec. 34, heretofore described.

On a gradual NE. slope, 10 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a volcanic stone, 7x4x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for the closing corner of secs. 2 and 3, T. 16 S., R. 11 W., with brass cap marked.

T15S R11W

S34

S 3 | S 2

T16S R11W

CC

1936

Land, rolling and broken hills; drainage, southeasterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, and underlain with a volcanic formation, 3rd rate.

No timber.

Undergrowth, medium dense shadscale, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing land.

From the corner of secs. 3, 4, 33, and 34, on the south boundary of the township, which is an iron post, 2 ins. in diam., firmly set, marked and witnessed as described in the survey of T. 17 S., R. 11 W.

N. 0° 02' W., between secs. 33 and 34.

Over rolling desert land, with a rocky surface, through medium dense undergrowth.

- 18.40 Wash, 10 lks. wide, 1 ft. deep, drains S. 30° W.

- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$$S33 \frac{1}{2} S34$$

1936

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.						
60.00	Old road, bears N. 30° E. and S. 30° W.						
68.00	Wash, 12 lks. wide, 1 ft. deep, drains S. 30° W.						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 27, 28, 33, and 34, with brass cap marked.						
	<table><tr><td>T16S</td><td>R11W</td></tr><tr><td>S28</td><td>S27</td></tr><tr><td>S33</td><td>S34</td></tr></table>	T16S	R11W	S28	S27	S33	S34
T16S	R11W						
S28	S27						
S33	S34						
	1936						
	raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.						
	Land, rolling desert; drainage, southwesterly.						
	Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.						
	No timber.						
	Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass.						
	Good winter grazing land.						
	East, on a random line between secs. 27 and 34.						
40.00	Set temp. $\frac{1}{4}$ sec. corner.						
79.98	Intersect the corner of secs. 26, 27, 34, and 35.						
	Thence						
	West, on true line between secs. 27 and 34.						
	Over rolling desert land, through medium dense short undergrowth.						
21.20	Wash, 15 lks. wide, 1 ft. deep, drains S. 20° W.						
39.99	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.						
	<table><tr><td>$\frac{1}{4}$ S27</td></tr><tr><td>S34</td></tr></table>	$\frac{1}{4}$ S27	S34				
$\frac{1}{4}$ S27							
S34							
	1936						
	raise a mound of stone, 3 ft. base, 3 ft. high, E. of corner.						
45.10	Wash, 8 lks. wide, 1 ft. deep, drains S. 10° W.						
62.70	Wash, 10 lks. wide, 1 ft. deep, drains S. 30° W.						
69.70	Old road, bears S. 30° W. and N. 30° E.						
76.40	Wash, 12 lks. wide, 1 ft. deep, drains S. 20° W.						

SUBDIVISION OF T. 16 S., R. 11 E.

Chains
79.98

The corner of secs. 27, 28, 33, and 34.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass.

Good winter grazing land.

N. 0° 02' W., between secs. 27 and 28.

Over rolling desert land, through medium dense short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$

S28	S27
-----	-----

 1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

55.40 Wash, 18 lks. wide, 3 ft. deep, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 21, 22, 27, and 28, with brass cap marked.

T16S	R11W
S21	S22
S28	S27

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass.

Good winter grazing land.

East, on a random line between secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.00 Intersect N. and S. line, 2 lks. N. of the corner of secs. 22, 23, 26, 27.

Thence

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	N. 89° 59' W., on true line between secs. 22 and 27. Over rolling desert land, through medium dense short undergrowth.
13.10	Old road, bears N. 30° E. and S. 30° W.
25.30	East edge of shallow draw, bears N. 15° E. and S. 15° W.; thence across draw.
28.30	Wash, 40 lks. wide, 1 ft. deep, in draw, drains S. 15° W.
30.80	West edge of shallow draw, bears N. 15° E. and S. 15° W.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked. <div style="text-align: center;">$\frac{1}{4} \frac{S22}{S27}$ 1936</div> <div style="text-align: right;">raise a mound</div> of stone, 3 ft. base, 3 ft. high, N. of corner.
60.40	Wash, 18 lks. wide, 3 ft. deep, drains S. 30° W.
80.00	The corner of secs. 21, 22, 27, and 28. Land, rolling desert; drainage, southwesterly. Soil, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate. No timber. Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass. Good winter grazing land.
<hr/>	
	N. 0° 02' W., between secs. 21 and 22. Over rolling desert land, through medium dense short undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked. <div style="text-align: center;">$\frac{1}{4}$ S21 S22 1936</div> <div style="text-align: right;">raise a mound</div> of stone, 3 ft. base, 3 ft. high, W. of corner.
62.60	Wash, 10 lks. wide, 2 ft. deep, drains S. 25° W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for corner of secs. 15, 16, 21, and 22, with brass cap marked.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

T16S	R11W
S16	S15
S21	S22

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass.

Good winter grazing land.

S. 89° 59' E., on a random line between secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.98 Intersect N. and S. line, 2 lks. N. of the corner of secs. 14, 15, 22, and 23.

Thence

N. 89° 58' W., on true line between secs. 15 and 22.

Over rolling desert land, through medium dense short undergrowth.

13.20 Wash, 20 lks. wide, 1 ft. deep, drains S. 10° W.

16.70 Wash, 15 lks. wide, 1 ft. deep, drains S. 5° W.

25.20 Wash, 18 lks. wide, 1 ft. deep, drains S. 10° W.

33.90 Wash, 10 lks. wide, 2 ft. deep, drains S. 25° W.

39.99 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S15
S22

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, N. of corner.

61.00 Wash, 10 lks. wide, 1 ft. deep, drains S. 30° W.

66.50 Wash, 15 lks. wide, 1 ft. deep, drains S. 10° W.

73.80 Wash, 10 lks. wide, 1 $\frac{1}{2}$ ft. deep, drains S. 5° W.

79.98 The corner of secs. 15, 16, 21, and 22.

Land, rolling desert; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

2011310

No timber.

Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass.

Good winter grazing land.

N. 0° 02' W., between secs. 15 and 16.

Over rolling desert land, through medium dense short undergrowth.

6.40 Old road, bears N. 20° E. and S. 20° W.

14.30 Wash, 8 lks. wide, 1 ft. deep, drains S. 35° W.

35.50 Old road, bears NE. and SW.

39.90 Wash, 4 lks. wide, 1 ft. deep, drains S. 40° W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

+

S16 | S15

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

53.60 Wash, 4 lks. wide, 1 ft. deep, drains S. 30° W.

62.00 Wash, 4 lks. wide, 1 ft. deep, drains W.

63.10 Old road, bears N. 25° E. and S. 25° W.

68.10 Wash, 10 lks. wide, 2 ft. deep, drains S. 70° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 9, 10, 15, and 16, with brass cap marked.

T16S. | R11W.

S 9 | S10

S16 | S15

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with numerous patches of surface rock, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered white sage, mountain-rush and desert grass.

Good winter grazing land.

S. 89° 58' E., on a random line between secs. 10 and 15.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

40.00	Set temp. $\frac{1}{4}$ sec. corner.
80.04	Intersect N. and S. line, 4 lks. S. of the corner of secs. 10, 11, 14, and 15.
	Thence
	West, on true line between secs. 10 and 15.
	Over rolling desert land, through medium dense short undergrowth; ascend a gentle E. slope.
3.70	Low spur, 10 ft. above sec. corner, projects N.; descend a gentle W. slope.
12.20	Wash, 10 ft. below spur, drains SW.; ascend a gentle E. slope.
14.50	Old road, bears N. and S. 30° W.
27.40	Low spur, 20 ft. above wash, projects S.; descend a gentle W. slope, 20 ft. to $\frac{1}{4}$ sec. corner.
40.02	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a volcanic stone, 6x3x3 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\frac{1}{4} \frac{S10}{S15}$
	1936
54.80	Wash, 10 lks. wide, 1 ft. deep, drains SW.; ascend a gentle E. slope.
64.50	Low spur, 10 ft. above wash, projects S.; descend a gentle W. slope, 10 ft. to sec. corner.
80.04	The corner of secs. 9, 10, 15, and 16.
	Land, rolling desert; drainage, southwesterly.
	Soil, coarse sandy clay loam, with numerous patches of volcanic rock, 2nd rate.
	No timber.
	Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush and desert grass.
	Good winter grazing land.
	N. 0° 02' W., between secs. 9 and 10.
	Over rolling desert land, through medium dense short undergrowth.
16.70	Wash, 50 lks. wide, 5 ft. deep, drains W.
21.70	Wash, 40 lks. wide, 3 $\frac{1}{2}$ ft. deep, drains W.; base of low rolling hills, bears NW. and E.; ascend a gradual S. slope.
35.40	Spur, 60 ft. above wash, projects E. about 6.00 chs. distance, from NW.; descend a gradual NE. slope.
40.00	On a gradual NE. slope, 40 ft. below spur.

SUBDIVISION OF T. 14 N., R. 11 W.

Chains

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
S 9 | S10
1936

raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner.

45.00 Base of descent, 5 ft. below $\frac{1}{4}$ sec. corner, bears NE. and SE.; ascend a gradual SE. slope.

54.90 Same spur/at 35.40 chs., 30 ft. above base of descent, projects SW.; descend a gradual NW. slope.

57.00 Small draw, 20 ft. below spur, drains S. 40° W.; ascend a gradual SE. slope.

60.00 Spur, 30 ft. above draw, projects S. 30° W.; descend a gradual NW. slope.

63.80 Small draw, 10 ft. below spur, drains S. 25° W.; ascend a gradual SE. slope.

69.80 Spur, 10 ft. above draw, projects S. 25° W.; descend a gradual NW. slope.

72.95 Old road, bears N. 60° E. and S. 60° W.

73.70 Draw, 10 ft. below spur, drains SW.; ascend a gradual SE. slope.

80.00 On a gradual SE. slope, 50 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. in diam., 15 ins. in the ground to bedrock, with a volcanic stone, 6x4x2 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base to top, for corner of secs. 3, 4, 9, and 10, with brass cap marked.

T16S R11W
S 4 | S 3
S 9 | S10

1936

Land, rolling desert land on the S. 21.70 chs.; low rolling hills on the remainder of the mile; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with numerous patches of surface rock, 3rd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing land.

East, on a random line between secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	
79.94	Intersect the corner of secs. 2, 3, 10, and 11. Thence West, on true line between secs. 3 and 10. Over rolling hills, with a rocky surface, through medium dense short undergrowth; ascend a gradual NE. slope.
2.00	Low spur, 20 ft. above sec. corner, projects SE.; descend a gradual W. slope.
5.20	Draw near head, 15 ft. below spur, drains S. 30° W.; ascend a gradual SE. slope.
8.90	Spur, 30 ft. above draw, projects SW.; descend a gradual NW. slope.
17.20	Wash, 30 lks. wide, 1 ft. deep, in draw, 30 ft. below spur, drains S. 20° W.; ascend a gradual E. slope.
27.30	Spur, 60 ft. above draw, projects S.; descend a gradual W. slope.
36.30	Draw, 70 ft. below spur, drains SW.; ascend a gradual E. slope.
39.97	On a low spur, 10 ft. above draw. Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, with a volcanic stone, 6x6x3 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked. $\frac{1}{4} \frac{S\ 3}{S10}$ 1936 Descend a gradual W. slope.
49.20	Draw, 30 ft. below $\frac{1}{4}$ sec. corner, drains SW.; ascend a gradual E. slope.
53.10	Spur, 10 ft. above draw, projects S.; descend a gradual W. slope.
67.14	Old road, bears NE. and SW.
70.20	Draw, 60 ft. below spur, drains S. 15° W.; ascend a gradual SE. slope, 40 ft. to sec. corner.
79.94	The corner of secs. 3, 4, 9, and 10. Land, rolling hills; drainage, southwesterly. Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate. No timber. Undergrowth, medium dense short shadscale, and scattered kerosene brush, yellowtop, mountain-rush and desert grass. Good winter grazing land.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	
	N. 0° 02' W., on true line between secs. 3 and 4. 1-2.37
	Over rolling hills, with a rocky surface, through medium dense undergrowth; ascend a gradual SE. slope.
1.00	Spur, 10 ft. above sec. corner, projects S. 60° W.; descend a gradual NW. slope.
6.50	Head of small draw, 20 ft. below spur, drains W.; ascend a gradual S. slope.
9.30	Spur, 20 ft. above head of draw, projects W.; descend a gradual N. slope.
16.15	Old road, bears N. 80° E. and S. 80° W.
16.80	Draw, 30 ft. below spur, drains SW.; ascend a gradual S. slope.
21.70	Spur, 60 ft. above draw, projects N. 80° W.; descend a gradual N. slope.
29.20	Draw, 60 ft. below spur, drains N. 80° W.; ascend a gradual S. slope.
32.10	Spur, 10 ft. above draw, projects W.; descend a gradual N. slope.
35.50	Draw, 10 ft. below spur, drains W.; ascend a gradual S. slope.
40.00	On a gradual S. slope, 30 ft. above draw. Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\begin{array}{c} \frac{1}{4} \\ S\ 4 \mid S\ 3 \\ 1936 \end{array}$
	of stone, 2 ft. base, 2 ft. high, W. of corner. raise a mound
44.90	Spur, 40 ft. above $\frac{1}{4}$ sec. corner, projects W.; descend a gradual N. slope.
55.00	Draw, 40 ft. below spur, drains S. 55° W.; ascend a gradual S. slope.
59.40	Spur, 20 ft. above draw, projects W.; descend a gradual N. slope.
61.60	Draw, 20 ft. below spur, drains N. 80° W.; ascend a gradual S. slope.
67.50	Spur, 40 ft. above draw, projects N. 80° W.; descend a gradual N. slope.
74.40	Wash, 10 lks. wide, 1 ft. deep, drains N. 75° W.
79.70	Wash, 12 lks. wide, $1\frac{1}{2}$ ft. deep, 20 ft. below spur, drains N. 75° W.
80.00	Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, with a volcanic stone, 4x4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base to top, for corner of lots 4 and 5, sec. 3, and lots 1 and 8, sec. 4, with brass cap marked.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

$$\begin{array}{r} 84 \quad 1 \quad 4 \\ \quad 8 \quad 5 \quad 33 \end{array}$$

1936

- 84.60 Wash, 12 lks. wide, 1½ ft. deep, drains SW.; ascend a gradual S. slope.
- 89.40 Spur, 40 ft. above draw, projects W.; descend a gradual N. slope.
- 94.40 Draw, 10 ft. below spur, drains W.; ascend a gradual SE. slope.
- 98.79 Intersect Third Standard Parallel South, 8.86 chs. E. of of the standard ¼ sec. corner of sec. 33, heretofore described.

On low spur, 30 ft. above draw, projects SW.

Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to solid rock, with a volcanic stone, 5x3x3 ins., marked X, deposited at the base, and in a mound of stone, 3 ft. base to top, for closing corner of secs. 3 and 4, with brass cap marked.

T15S R11W

S33

S 4 | S 3

T16S R11W

CC

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, S. of corner.

Land, rolling hills; drainage; southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, scattered short shadscale, kerosene brush, yellowtop, mountain-rush and desert grass.

Good winter grazing land.

From the corner of secs. 4, 5, 32, and 33, on the south boundary of the township, which is an iron post, 2 ins. in diam., firmly set, marked and witnessed as described in the survey of T. 17 S., R. 11 W.

N. 0° 03' W., between secs. 32 and 33.

Over rolling desert land, with patches of volcanic surface rock, through medium dense undergrowth.

- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for ¼ sec. corner, with brass cap marked.

$$\begin{array}{r} 832 \quad 1 \\ \quad 1 \quad 33 \end{array}$$

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

57.00 Wash, 10 lks. wide, 1 ft. deep, drains SW.

79.80 Wash, 10 lks. wide, 1 ft. deep, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for corner of secs. 28, 29, 32, and 33, with brass cap marked.

T16S	R11W
S29	S28
S32	S33

1936

raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with patches of surface rock in places, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing land.

East,, on a random line between secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.00 Intersect N. and S. line, 4 lks. N. of the corner of secs. 27, 28, 33, and 34.

Thence

N. 89° 58' W., on true line between secs. 28 and 33.

Over rolling desert land, with a rocky surface, through medium dense undergrowth.

27.00 Wash, 150 lks. wide, 2 ft. deep, drains S. 20° W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to solid rock, with a volcanic stone, 3x3x2 ins. marked X, deposited at the base, and in a mound of stone, 2 ft. base to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$	S28
	S33

1936

raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.

56.50 Wash, 10 lks. wide, 1 ft. deep, drains S. 25° W.

79.80 Wash, 10 lks. wide, 1 ft. deep, drains SW.

80.00 The corner of secs. 28, 29, 32, and 33.

Land, rolling desert; drainage, southwesterly.

SUPERVISION OF T. 16 S., R. 11 W.

Chains

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing land.

N. 0° 03' W., between secs. 28 and 29.

Over rolling desert land, with a rocky surface, through medium dense undergrowth.

18.40 Wash, 8 lks. wide, 1 ft. deep, drains S. 30° W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
 S29 | S28

1936

raise a mound

of stone, 3 ft. base, 3 ft. high, W. of corner.

41.60 Wash, 20 lks. wide, 1 ft. deep, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 20, 21, 28, and 29, with brass cap marked.

T16S | R11W
 S20 | S21
 S29 | S28

1936

raise a mound

of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered mountain-rush and desert grass.

Good winter grazing land.

S. 89° 58' E., on a random line between secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.94 Intersect N. and S. line, 7 lks. N. of the corner of secs. 21, 22, 27, and 28.

Thence

N. 89° 55' W., on true line between secs. 21 and 28.

SUBDIVISION OF T. 16 S. R. 11 W.

Chains		aniano
	Over rolling desert land, with a rocky surface, through medium dense undergrowth.	
11.50	Wash, 15 lks. wide, 1 ft. deep, drains S. 20° W.	
31.30	Wash, 20 lks. wide, 1½ ft. deep, drains S. 30° W.	
36.00	Wash, 10 lks. wide, 1½ ft. deep, drains S. 20° W.	
39.97	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for ¼ sec. corner, with brass cap marked.	
	$\begin{array}{r} \frac{1}{4} \text{ } .821 \\ \hline .828 \\ 1936 \end{array}$	
	raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.	
79.94	The corner of secs. 20, 21, 28, and 29.	
	Land, rolling desert; drainage, southwesterly.	
	Soil, coarse sandy clay lean, with a rocky surface, 2nd rate.	
	No timber.	
	Undergrowth, medium dense short shadscale, kerosene brush, and scattered mountain-rush and desert grass.	
	Good winter grazing land.	
	N. 0° 03' W., between secs. 20 and 21.	
	Over rolling desert land, through medium dense short undergrowth.	
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. corner, with brass cap marked.	
	$\begin{array}{r} \frac{1}{4} \text{ } .820 \text{ } .821 \\ \hline .820 \text{ } .821 \\ 1936 \end{array}$	
	raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.	
51.80	Wash, 18 lks. wide, 1 ft. deep, drains SW.	
70.90	Old road, bears NE. and SW.	
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 16, 17, 20, and 21, with brass cap marked.	
	$\begin{array}{r} T16S \text{ } R11W \\ \hline S17 \text{ } S16 \\ \hline S20 \text{ } S21 \\ 1936 \end{array}$	
	raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.	

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

Land, rolling desert, drainage, southwesterly.
Soil, coarse sandy clay loam, with patches of volcanic surface rock, 2nd rate.
No timber.
Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush and desert grass.
Good winter, grazing land.

S. 89° 55' E., on a random line between secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. corner..

79.94 Intersect N. and S. line, 2 lks. S. of the corner of secs. 15, 16, 21, and 22.

Thence

N. 89° 56' W., on true line between secs. 16 and 21.

Over rolling desert land, through medium dense short undergrowth.

21.90 Wash, 30 lks. wide, 1 ft. deep, drains S. 30° W.

32.90 Wash, 8 lks. wide, 1 ft. deep, drains S. 20° W.

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S16
S21

1936

of stone, 3 ft. base, 3 ft. high, N. of corner. raise a mound

52.70 Old road, bears NE. and SW.

79.94 The corner of secs. 16, 17, 20, and 21.

Land, rolling desert, drainage, southwesterly.
Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.
No timber.
Undergrowth, medium dense short shadscale, kerosene brush, and scattered mountain-rush and desert grass.
Good winter grazing land.

N. 0° 03' W., between secs. 16 and 17.

Over rolling desert land, with a rocky surface, through medium dense short undergrowth.

10.90 Wash, 20 lks. wide, 1 ft. deep, drains SW.

20.90 Wash, 12 lks. wide, 1 ft. deep, drains SW.

SURVEY OF T. 16 N. R. 11 E.

Chains

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S17 | S16

1936

of stone, 3 ft. base, 3 ft. high, W. of corner. raise a mound

43.90 Wash, 8 lks. wide, 1 ft. deep, drains SW.

65.00 Wash, 35 lks. wide, 4 ft. deep, drains S. 50° W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for corner of secs. 8, 9, 16, and 17, with brass cap marked.

T16S	R11W
S 8	S 9
S17	S16

1936

of stone, 3 ft. base, 3 ft. high, W. of corner. raise a mound

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short schadscale, kerosene brush and scattered mountain-rush and desert grass.

Good winter grazing land.

S. 89° 56' E., on a random line between secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.94 Intersect the corner of secs. 9, 10, 15, and 16.

Thence

N. 89° 56' W., on true line between secs. 9 and 16.

Over rolling desert land, with a rocky surface, through medium dense short undergrowth.

21.70 Wash, 8 lks. wide, 1 ft. deep, drains S. 60° W.

27.60 Wash, 40 lks. wide, 2 $\frac{1}{2}$ ft. deep, drains SW.

29.20 Old road, bears N. and S.

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S 9
S16.

1936

of stone, 3 ft. base, 3 ft. high, N. of corner. raise a mound

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

44.90

Wash, 25 lks. wide, 4 ft. deep, drains S. 30° W.

79.94

The corner of secs. 8, 9, 16, and 17.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short, shadscale, kerosene brush, and scattered mountain-rush and desert grass.

Good winter grazing land.

N. 0° 03' W., between secs. 8 and 9.

Over rolling desert land, with a rocky surface, through medium dense short undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.
$$\begin{array}{c} \frac{1}{4} \\ \hline S\ 8 \quad | \quad S\ 9 \end{array}$$

1936

raise a mound

of stone, 3 ft. base, 3 ft. high, W. of corner.

44.00

Wash, 8 lks. wide, 1 ft. deep, drains SW.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 4, 5, 8, and 9, with brass cap marked.

$$\begin{array}{cc} T16S & R11W \\ \hline S\ 5 & S\ 4 \\ \hline S\ 8 & S\ 9 \end{array}$$

1936

raise a mound

of stone, 3 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush, white sage and desert grass.

Good winter grazing land.

S. 29° 56' E., on a random line between secs. 4 and 9.

40.00

Set temp. $\frac{1}{4}$ sec. corner.

79.94

Intersect N. and S. line, 4 lks. N. of the corner of secs. 3, 4, 9, and 10.

SUBDIVISION OF T. 16 S., R. 11 W.	
Chains	<p>Thence.</p> <p>N. 89° 54' W., on true line between secs. 4 and 9.</p> <p>Over rolling hills, with a rocky surface, through medium dense undergrowth; ascend a gradual SE. slope.</p> <p>1.70 Spur, 10 ft. above sec. corner, projects SW.; descend a gradual NW. slope.</p> <p>14.90 Base of hills, 80 ft. below spur, bears N. and S.; enter rolling desert land.</p> <p>39.20 Wash, 18 lks. wide, 2 ft. deep, drains N. 80° W.</p> <p>39.97 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.</p> <div> $\begin{array}{r} S\ 4 \\ \frac{1}{4} \\ S\ 9 \end{array}$ <p>1936</p> <p>raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.</p> <p>79.94 The corner of secs. 4, 5, 8, and 9.</p> <p>Land, rolling hills on the E. 14.90 chs.; rolling desert on the remainder of the mile; drainage, westerly.</p> <p>Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.</p> <p>No timber.</p> <p>Undergrowth, medium dense short shadscale, kerosene brush, and scattered yellowtop, mountain-rush, white sage and desert grass.</p> <p>Good winter grazing land.</p> <hr/> <p>N. 0° 03' W., on true line between secs. 4 and 5.</p> <p>Over rolling desert land, with a rocky surface, through medium dense short undergrowth.</p> <p>4.30 Wash, 20 lks. wide, 2 ft. deep, drains SW.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.</p> <div> $\begin{array}{c} \frac{1}{4} \\ S\ 5 \end{array} \quad \begin{array}{c} \frac{1}{4} \\ S\ 4 \end{array}$ <p>1936</p> <p>raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.</p> <p>64.10 Wash, 70 lks. wide, 3 ft. deep, drains S. 60° W.</p> <p>80.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for corner of lots 4 and 5, sec. 4, and lots 1 and 8, sec. 5, with brass cap marked.</p> </div></div>

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

$$\begin{array}{r} 85 \quad 1 \quad 4 \quad 84 \\ \quad 8 \quad 5 \end{array}$$

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of corner.

92.00 Wash, 15 lks. wide, 1 ft. deep, drains S. 60° W.

98.64 Intersect the Third Standard Parallel South, 8.92 chs. E. of the standard $\frac{1}{4}$ sec. corner of sec. 32, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the closing corner of secs. 4 and 5, T. 16 S., R. 11 W., with brass cap marked.

$$\begin{array}{r} T16S., R11W \\ \hline S32 \\ \hline S5 \quad S4 \\ T16S \quad R11W \\ \hline CC \\ 1936 \end{array}$$

raise a mound
of stone, 3 ft. base, 3 ft. high, S. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, kerosene brush, and scattered mountain-rush, white sage and yellowtop; a scattered growth of desert grass.

Good winter grazing land.

From the corner of secs. 5, 6, 31, and 32, on the south boundary of the township, which is an iron post, 2 ins. in diam., firmly set, marked and witnessed as described in the field notes of the survey of T. 17 S., R. 11 W.

N. 0° 03' W., between secs. 31 and 32.

Over rolling desert land, through medium dense short undergrowth.

24.80 Road, bears N. 80° W., to Smacey Spring, and S. 80° E., to Delta, Utah.

39.70 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for witness $\frac{1}{4}$ sec. corner, with brass cap marked.

$$\begin{array}{r} WC \\ \quad \frac{1}{4} \\ \hline S31 \quad S32 \\ \hline 1936 \end{array}$$

raise a mound
of stone, 2 ft. base, 2 ft. high, W. of corner.

SUBDIVISION OF T. 13 S., R. 11 W.

Chains	
40.00	True point for $\frac{1}{4}$ sec. corner falls in wash, 15 lks. wide, 5 ft. deep, carries main drainage of vicinity, drains S. 80° E., impracticable to set corner.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the corner of secs. 29, 30, 31, and 32, with brass cap marked.
	<div><div>T16S</div><div>S30</div><div>S31</div></div> <div><div>R11W</div><div>S29</div><div>S32</div></div>
	1936
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
	Land, rolling desert; drainage, southeasterly.
	Soil, coarse sandy clay loam, with patches of volcanic rock on the surface, 2nd rate.
	No timber.
	Undergrowth, scattered shadscale and mountain-rush.
	Good winter grazing land.
	East, on a random line between secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. corner.
79.98	Intersect N. and S. line, 6 lks. N. of the corner of secs. 28, 29, 32, and 33.
	Thence
	N. 89° 57' W., on true line between secs. 29 and 32.
	Over gently rolling desert land, through medium dense undergrowth.
39.99	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	<div><div>S29</div><div>S32</div></div>
	1936
	raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.
79.98	The corner of secs. 29, 30, 31, and 32.
	Land, gently rolling desert.
	Soil, coarse sandy clay loam, with patches of volcanic rock in places, 2nd rate.
	No timber.
	Undergrowth, medium dense short shadscale, and scattered sagebrush and mountain-rush.
	Good winter grazing land.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

West, on a random line between secs. 30 and 31.

49.00 Set temp. $\frac{1}{4}$ sec. corner.

80.15 Intersect W. bdy. of the Tp. at the corner of secs. 25, 30, 31, and 36, heretofore described.

Thence

East, on true line between secs. 30 and 31.

Over gently rolling desert land, through medium dense short undergrowth.

17.50 Old road, bears N. and S.; ascend a gentle W. slope.

37.50 Top of ascent, 20 ft. above sec. corner, bears N. about 20.00 chs. dist. and S.; descend a gentle E. slope.

40.15 On a gentle E. slope, 5 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S30
S31

1936

raise a mound
of stone, 2 ft. base, 2 ft. high, N. of corner.

45.00 East base of decent, 10 ft. below $\frac{1}{4}$ sec. corner, bears N. and S.

50.00 Old road, bears N. 20° E. and S. 20° W.

58.90 Wash, 10 lks. wide, 6 ft. deep, carries the main drainage of vicinity, drains S. 30° E.

80.15 The corner of secs. 29, 30, 31, and 32.

Land, gently rolling desert; drainage, southeasterly.

Soil, heavy sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered white sage and yellowtop.

Good winter grazing land.

N. 0° 03' W., between secs. 29 and 30.

Over gently rolling desert land, through medium dense short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
S30 | S29

1936

raise a mound
of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner.

SUBDIVISION OF LAND, R. 11 W.

Chains		Notes
69.70	Old road, bears NE. and SW.	
80.00	Set an iron post, 3 ft. long, 2 in. in diam., 30 ins. in the ground, for the corner of secs. 19, 20, 29, and 30, with brass cap marked.	
		$\begin{array}{r l} T168 & R11W \\ \hline S19 & S20 \\ \hline S30 & S29 \end{array}$
		1936
		raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of corner.
		Land, gently rolling desert; drainage, southwesterly.
		Soil, coarse sandy clay loam, 1st rate.
		No timber.
		Undergrowth, medium dense short shadscale, and scattered mountain-rush.
		Good winter grazing land.
		<hr/>
		S. 89° 57' E., on a random line between secs. 20 and 29.
40.00	Set temp. ¼ sec. corner.	
79.98	Intersect N. and S. line, 4 lks. S. of the corner of secs. 20, 21, 28, and 29.	
	Thence	
	N. 89° 59' W., on true line between secs. 20 and 29:	
	Over gently rolling desert land, through medium dense short undergrowth.	
39.99	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for ¼ sec. corner, with brass cap marked.	
		$\begin{array}{r} \frac{1}{4} S20 \\ \hline S29 \end{array}$
		1936
		raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.
73.30	Old road, bears NE. and SW.	
79.98	The corner of secs. 19, 20, 29, and 30.	
	Land, gently rolling desert; drainage, southwesterly.	
	Soil, coarse sandy clay loam, 1st rate.	
	No timber.	
	Undergrowth, medium dense short shadscale, and scattered mountain-rush.	
	Good winter grazing land.	

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

West, on a random line between secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.01 Intersect W. bdy. of the Tp. at the corner of secs. 19, 24, 25, and 30, heretofore described.

Thence

East, on a true line between secs. 19 and 30.

Over gently rolling desert land, through medium dense short undergrowth.

12.10 Wash, 15 lks. wide, 3 ft. deep, drains SE.

25.00 North end of dyke, bears southwesterly to E. edge of dam of reservoir.

40.01 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S19
S30

1936

of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, N. of corner. raise a mound

80.01 The corner of secs. 19, 20, 29, and 30.

Land, gently rolling desert; drainage, southeasterly.

Soil, heavy sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered white sage, mountain-rush, yellowtop and desert grass.

Good winter grazing land.

N. 0° 03' W., between secs. 19 and 20.

Over gently rolling desert land, through medium dense short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
S19 | S20

1936

of stone, 3 ft. base, 3 ft. high, W. of corner. raise a mound

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 17, 18, 19, and 20, with brass cap marked.

T16S R11W
S18 | S17
S19 | S20

1936

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

united

of stone, 2 ft. base, 1½ ft. high, W. of corner.

Land, gently rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, 1st. rate.

No timber.

Undergrowth, medium dense short shadscale, and kerosene brush, and scattered white sage and mountain-rush.

Good winter grazing land.

S. 89° 59' E., on a random line between secs. 17 and 20.

40.00 Set temp. ¼ sec. corner.

79.98 Intersect N. and S. line, .5 lks. N. of the corner of secs. 16, 17, 20, and 21.

Thence

N. 89° 57' W., on true line between secs. 17 and 20.

Over gently rolling desert land, through medium dense short undergrowth.

39.99 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for ¼ sec. corner, with brass cap marked.

½ $\frac{S17}{S20}$

1936

raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.

79.98 The corner of secs. 17, 18, 19, and 20,

Land, gently rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale and kerosene brush, and scattered white sage, yellowtop and desert grass.

Good winter grazing land.

West, on a random line between secs. 18 and 19.

40.00 Set temp. ¼ sec. corner.

79.96 Intersect W. bdy. of Tp., .7 lks. N. of the corner of secs. 13, 18, 19, and 24.

Thence

N. 89° 57' E., on true line between secs. 18 and 19.

Over gently rolling desert land, through medium dense short undergrowth.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

39.96

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ $\frac{S18}{S19}$

1936

of stone, 2 ft. base, 2 ft. high, N. of corner. raise a mound

79.96

The corner of secs. 17, 18, 19, and 20.

Land, gently rolling desert; drainage, southwesterly.

Soil, heavy sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass.

Good winter grazing land.

N. $0^{\circ} 03'$ W., between secs. 17 and 18.

Over gently rolling desert land, through medium dense short undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
S18 | S17

1936

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of corner. raise a mound

54.40

Wash, 10 lks. wide, 1 ft. deep, drains SW.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 7, 8, 17, and 18, with brass cap marked.

T16S R11W
S 7 | S 8
S18 | S17

1936

of stone, 3 ft. base, 3 ft. high, W. of corner. raise a mound

Land, gently rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered mountain-rush and desert grass.

Good winter grazing land.

SURVEY OF T. 14 S. R. 11 E.

- Chains S. 89° 57' E., on a random line, between secs. 8 and 17.
- 40.00 Set temp. $\frac{1}{4}$ sec. corner.
- 80.00 Intersect the corner of secs. 8, 9, 16, and 17.
- Thence
- N. 89° 57' W., on true line between secs. 8 and 17.
- Over gently rolling desert land, through medium dense short undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$$\frac{1}{4} \frac{S 8}{S 17}$$

1936

- raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.
- 42.20 Wash, 4 lks. wide, 1 ft. deep, drains SW.
- 80.00 The corner of secs. 7, 8, 17, and 18.
- Land, gently rolling desert; drainage, southwesterly.
- Soil, coarse sandy clay loam, 1st rate.
- No timber.
- Undergrowth, medium dense short shadscale, and scattered kerosene brush, sage and mountain-rush.
- Good winter grazing land.

- S. 89° 57' E., on a random line between secs. 7 and 18.
- 40.00 Set temp. $\frac{1}{4}$ sec. corner.
- 79.92 Intersect W. bdy. of Tp., at the corner of secs. 7, 12, 13, and 18, heretofore described.
- Thence
- N. 89° 57' E., on true line between secs. 7 and 18.
- Over gently rolling desert land, through medium dense short undergrowth.
- 39.92 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$$\frac{1}{4} \frac{S 7}{S 18}$$

1936

- raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
- 79.92 The corner of secs. 7, 8, 17, and 18.
- Land, gently rolling desert; drainage, southwesterly.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

Soil, heavy sandy clay loam, 1st rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered sage, yellowtop and desert grass.

Good winter grazing land.

N. 0° 03' W., between secs. 7 and 8.

Over gently rolling desert land, through medium dense short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
 S 7 | S 8
 1936

raise a mound

of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner.

69.70 Wash, 10 lks. wide, 1 ft. deep, drains S. 80° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for corner of secs. 5, 6, 7, and 8, with brass cap marked.

T16S R11W
 S 6 | S 5
 S 7 | S 8
 1936

raise a mound

of stone, 3 ft. base, 3 ft. high, N. of corner.

Land, gently rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and scattered yellowtop, mountain-rush and desert grass.

Good winter grazing land.

S. 89° 57' E., on a random line between secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

80.02 Intersect N. and S. line, 2 lks. N. of the corner of secs. 4, 5, 8, and 9.

Thence

N. 89° 56' W., on true line between secs. 5 and 8.

Over rolling desert land, with a rocky surface, through medium dense short undergrowth.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains	
7.00	Wash, 12 lks. wide, 2 ft. deep, drains S. 50° W.
16.00	Same wash, 12 lks. wide, 2 ft. deep, drains W.; thence along wash.
17.90	Leave wash, drains S. 80° W.
40.01	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked. <div style="text-align: center;">$\frac{S\ 5}{S\ 8}$ 1936</div>
	raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.
80.02	The corner of secs. 5, 6, 7, and 8. Land, gently rolling and rolling desert; drainage, southwesterly. Soil, coarse sandy clay loam, with a rocky surface, 3rd rate. No timber. Undergrowth, medium dense short shadscale, and scattered yellowtop, white sage, kerosene brush and desert grass. Good winter grazing land.
	S. 89° 57' W., on a random line between secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. corner.
79.84	Intersect W. bdy. of Tp., 2 lks. S. of the corner of secs. 1, 6, 7, and 12. Thence N. 89° 58' E., on true line between secs. 6 and 7. Over gently rolling desert land, with scattered rocks on the surface, through medium dense short undergrowth.
39.84	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock, with a volcanic stone, 3x3x2 ins. marked X, deposited at the base, and in a mound of stone, 2 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked. <div style="text-align: center;">$\frac{S\ 6}{S\ 7}$ 1936</div>
	raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.
79.84	The corner of secs. 5, 6, 7, and 8. Land, gently rolling desert; drainage, southwesterly. Soil, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

SUBDIVISION OF T. 16 S., R. 11 W.

Chains

No timber.

Undergrowth, medium dense short shadscale and kerosene brush, and scattered sage, yellowtop and desert grass.

Good winter grazing land.

N. 0° 03' W., on true line between secs. 5 and 6.

Over rolling desert land, with scattered rocks on the surface, through medium dense undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
 S 6 | S 5
 1936

raise a mound
of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, W. of corner.

69.80 Wash, 10 lks. wide, 6 ft. deep, drains SW.

80.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock, with a volcanic stone, 9x8x3 ins. marked X, deposited at the base, and in a mound of stone, 4 ft. base, to top, for corner of lots 4 and 5, sec. 5, and lots 1 and 8, sec. 6, with brass cap marked.

S6 $\frac{1}{8}$ | $\frac{4}{5}$ S5
 1936

98.52 Intersect the Third Standard Parallel South, 8.90 chs. E. of the standard $\frac{1}{4}$ sec. corner of sec. 31, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the closing corner of secs. 5 and 6, with brass cap marked.

T15S R11W
 S31
 S 6 | S 5
 T16S R11W
 CC
 1936

raise a mound
of stone, 4 ft. base, 4 ft. high, S. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense short shadscale, and kerosene brush, and scattered sage, yellowtop and desert grass.

Good winter grazing land.

GENERAL DESCRIPTION OF T. 16 S., R. 11 W.

Chains

The northeast portion of the township is low mountains, about 5800 feet above sea level, breaking off to the south and west into low rolling hills. The main ridge or divide extends through section 1 in a northwesterly and southeasterly direction. The base of the hills extends southerly into section 9, thence southeasterly, with an approximate elevation of 5000 feet above sea level; the northwestern, southeastern and southern portions of the township are rolling and gently rolling desert land, with an approximate elevation of 4900 feet above sea level. The general drainage of the township southwesterly into a large wash, draining southeasterly; entering the township on the west boundary, about 24.00 chains north of the corner of sections 19, 24, 25, and 30; leaving the township on the south boundary, about 23.00 chains west of the corner of sections 4, 5, 32, and 33; the northeast portion of section 1, drains northeasterly.

The soil in the mountainous region is a shallow, rocky, coarse sandy clay loam, underlaid with a volcanic formation and broken by small volcanic ledges and outcroppings, with a very rocky surface, and may be classed as 3rd rate. The hilly portion of the township, and the southern and central portions of the township are coarse sandy clay loam, with a rocky surface, and may be classed as 2nd rate. The remainder of the township is coarse sandy clay loam, with a few scattered rock on the surface, and may be classed as 1st rate.

With the exception of a few scattered scrub junipers in the northeastern portion of the township, which has no commercial value, there is no timber found in the township.

There is a medium dense growth of shadscale, and a scattered growth of kerosene brush, yellowtop, mountain-rush and desert grass through out the township; a scattered growth of white sage on the western portion, and scattered sage on the northeastern portion of the township; this vegetation affords good grazing for livestock during the winter months when snow is available for water. In general the township is valuable for the grazing of sheep and cattle during the winter months; but due to the scarcity of water for irrigation, no part of the township is suitable for farming purposes.

A small reservoir, located in the N. $\frac{1}{4}$ of the NW. $\frac{1}{4}$ of section 30, used for the watering of livestock, was the only water found in the township.

There are numerous roads through out the township, passable to automobiles, and used by sheepmen during the winter months.

At the time of this survey no settlers were located in the township.

No indication of mineral, coal, oil or oilshale were noted within the township.

The nearest postoffice is Delta, Utah, which lies about 30 miles easterly.

The mean magnetic declination was found to be 17° 00' E.

BOOK A-510

4-680
(Revised May 1984)

FIELD ASSISTANTS

NAMES	CAPACITY
Deverl Nicholes	Chainman
Everett Harrison	Flagman
Clark Bird	Flagman
Eugene J. Holmes	Flagman
William C. White	Cornerman
Jack Halliday	Cornerman
Nels Rust	Cornerman
Robert L. Elliott Jr.	Axman
Grant Anderson	Axman
James Smith	Axman
Donald Ward	Axman
Eldon Peterson	Axman
Edward N. Reid	Axman
Edgar Pitcher	Axman
Burton Anderson	Axman
Billy Fotheringham	Axman
Max Muir	Axman
James Kyle Clark	Axman

CERTIFICATE OF UNITED STATES SURVEYOR

We, Kenneth C. Vincent, Public Land Surveyor, Sidney R. Reese and
E. Ervine F. Smith, Transitmen, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 17th day of February, 1937,
 received from the district cadastral engineer for Utah, supplement
we with assignment
 instructions dated September 10, 1936, have independently resurveyed the Third
Standard Parallel South, along the south bdy. of T. 15 S., R. 11 W.,
the Second Guide Meridian West through T. 16 S., bet. Rs. 11 and 12 W.,
and surveyed the subdivisional lines of T. 16 S., R. 11 W.

of the Salt Lake Meridian, in the State of Utah, which are
us our
 represented in the foregoing field notes as having been executed by ~~me~~ and under ~~my~~ direction; and that said
 survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
 of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Certified to at
Salt Lake City, Utah
February 7, 1937

Kenneth C. Vincent Public Land
Sidney R. Reese Surveyor
E. Ervine F. Smith Transitman
 Transitman

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado FEB 19, 1937

The foregoing field notes of the ~~survey of~~ independent resurvey of the Third
Standard Parallel South, along the south bdy. of T. 15 S., R. 11 W.,
the Second Guide Meridian West, through T. 16 S., bet. Rs. 11 and 12 W.
and survey of the subdivisional lines of T. 16 S., R. 11 W.

executed by Kenneth C. Vincent, Public Land Surveyor, Sidney R. Reese,
and Ervine F. Smith, Transitmen. supplement
 under special instructions dated February 17, 1934, and assignment

instructions dated September 10, 1936, having been critically examined, and
 the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
 therein described, are hereby approved.


 U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above described surveys in
is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys.

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4-679
(April 1933)

BOOK A-510

BOOK "C"

FIELD NOTES

OF THE

INDEPENDENT RESURVEY OF THE WEST BOUNDARY,

AND SURVEY OF THE SUBDIVISION OF

TOWNSHIP 15 SOUTH, RANGE 11 WEST.

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

SIDNEY R. REESE, TRANSITMAN

ERVINE F. SMITH, TRANSITMAN

Under special instructions dated FEBRUARY 17th, 19 34, which provided

for the surveys included under Group No. 257, bearing the approval of the

Commissioner of the General Land Office under date of April 19th 1934

supplemental
and assignment instructions dated September 10, 19 36

Survey commenced September 26, 19 36

Survey completed October 16, 19 36

INDEX DIAGRAM.

Township 15 south, Range 11 west

6	66	53	41	30	18	1
	66	65	52	40	28	16
5	64	50	39	28	15	12
	63	62	49	38	27	14
4	61	48	37	26	13	10
	60	59	47	36	25	12
3	58	46	35	24	11	24
	57	56	45	34	23	10
2	56	44	33	21	9	25
	55	54	43	32	20	8
1	54	42	31	19	6	26

T. 15 S., R. 11 W. S. L. M. UTAH

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

All lines in black were surveyed by Sidney R. Reese,
Transitman.

All lines in red were surveyed by Ervine F. Smith,
Transitman.

4416

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Page

DESCRIPTION AND TEST OF INSTRUMENTS. T. 15 S., R. 11 W.

Chains

DESCRIPTION AND TEST OF INSTRUMENTS

The survey of township 15 south, range 11 west, was commenced September 26, 1936, and was executed with Buff and Buff light mountain transit No. 8028, and Young and Sons light mountain transit No. 8395, used by Sidney R. Reese and Ervine E. Smith, Transistmen, respectively. Each instrument is equipped with Smith solar attachment and full vertical circle; the horizontal limb of each transit is provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and vertical circles. These instruments were approved for use on this survey by the district cadastral engineer for Utah, conditional upon satisfactory field tests as stated in the assignment instructions dated September 10, 1936.

The instruments were in good condition at the time of this survey and all adjustments were in good order. All azimuths in this record are referred to true meridians determined by numerous observations made upon Polaris during the progress of this survey; the bearings of the lines are determined by deflection angles, and calculated courses; the lines were carried forward by double fore and back sights.

The measurements were made with Lallie steel ribbon tapes, 5 chains in length; each tape is graduated every link for the first 100 links and thereafter at intervals of 10 links. The tapes were tested by comparison with a Lufkin steel standard tape, 100 links in length, and found correct. The measurements were made on the slope; the vertical angles were determined by clinometers in good adjustment; the field record show the horizontal equivalents.

The data furnished with the special instructions gives the approximate geographic position of the southeast corner of T. 15 S., R. 11 W., as latitude $39^{\circ} 28' N.$, longitude $113^{\circ} 01' W.$

October 3, 1936, at the standard corner of T. 15 S., Rs. 11 and 12 W., which is an iron post, 3 ins. diam., 6 ins. above the ground, firmly set, marked and witnessed as described in the field notes of the survey of T. 16 S., R. 11 W., in approximate latitude $39^{\circ} 28' N.$, longitude $113^{\circ} 08' W.$, at 6h 56m 06s a. m. by my watch, which reads correct 105th meridian time as determined by radio signals. October 2, 1936, I make an hour angle observation upon Polaris, west of the meridian, making two sights each with the telescope in direct and reversed positions, reading the horizontal deflection angle from Polaris to a well defined point on the skyline, about 8 miles in the direction of west to north.

Local mean time of observation-----	6h 23.6m a.m.
Azimuth of Polaris-----	$1^{\circ} 20'$ W.
Mean horizontal angle, Polaris to	
reference point-----	$1^{\circ} 20'$
True bearing of reference point-----	North

INDEPENDENT RESURVEY OF THE WEST BDY. OF T. 15 S., R. 11 W.

Independent resurvey of the west boundary of T. 15 S., R. 11 W., superseding the survey executed by Ferdinand Dickert, U.S. Deputy Surveyor, in 1882.

INTERIM RESURVEY OF THE WEST END OF T. 15 S., R. 11 W.

Chains

From the standard corner of T. 15 S., R. 11 and 12 W.

North, on a random line, setting $\frac{1}{4}$ sec. and sec. corners at intervals of 40.00 chains, along the line between R. 11 and 12 W., T. 15 S. At 482.23 chains, fall 14 1/2 E. of the corner of Tps. 14 and 15 S., R. 11 and 12 W. The correction is 2.3 lks. W. per mile, counting from the point of beginning.

Thence

From the standard corner of T. 15 S., R. 11 and 12 W.

N. 0° 01' W., between secs. 31 and 36.

Over rolling desert land, through medium dense undergrowth

39.20 Wash, 10 lks. wide, 1 ft. deep, drains S. 80° W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$
 S36 | S31
 1936

raise a mound
of stone, 3 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner.

50.00 Wash, 15 lks. wide, 1 ft. deep, drains SW.

60.00 Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the ground to solid rock, with a volcanic stone, 8x6x4 in. marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for corner of secs. 25, 30, 31, and 36, with brass cap marked.

T16S
 R12W | R11W
 S25 | S30
 S36 | S31
 1936

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered volcanic rock on the surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° 01' W., between secs. 25 and 30.

Over rolling desert land, through medium dense undergrowth

29.90 Wash, 10 lks. wide, 1 ft. deep, drains W.

34.40 Wash, 10 lks. wide, 1 ft. deep, drains SW.

INDEPENDENT RESURVEY OF THE WEST BDY. OF T.15 S., R. 11 W.

Chains

40.00

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

 $\frac{1}{4}$

S25 | S30

1936

of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of corner. raise a mound

43.00

Wash, 20 lks. wide, 1 ft. deep, drains SW.

72.10

Old road, bears N. 80° E. and S. 80° W.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for corner of secs. 19, 24, 25, and 30, with brass cap marked.

T15S

R12W	R11W
S24	S19
S25	S30

1936

of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner. raise a mound

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered volcanic rock on the surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° $01'$ W., between secs. 19 and 24.

Over rolling desert land, through medium dense undergrowth.

2.40

Wash, 10 lks. wide, 1 ft. deep, drains S. 75° W.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

 $\frac{1}{4}$

S24 | S19

1936

of stone, 4 ft. base, 3 ft. high, W. of corner. raise a mound

52.30

Wash, 20 lks. wide, 2 ft. deep, drains SW.

60.60

Wash, 40 lks. wide, 1 ft. deep, drains S. 30° W.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for corner of secs. 13, 18, 19, and 24, with brass cap marked.

INDEPENDENT RESURVEY OF THE WEST BDY. OF T. 15 S., R. 11 E.

Chains

T15S	
R12W	R11W
S13	S18
S24	S19

1936

raise a mound
of stone, 4 ft. base, 3 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay, with scattered volcanic rock on the surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, sage and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° 01' W., between secs. 13 and 18.

Over rolling desert land, through medium dense undergrowth.

6.40 Wash, 10 lks. wide, 1 ft. deep, drains SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$	
S13	S18

1936

raise a mound
of stone, 4 ft. base, 3 ft. high, W. of corner.

50.00 Descend a gentle N. slope.

54.30 Wash, 10 lks. wide, 1 ft. deep, 20 ft. below $\frac{1}{4}$ sec. corner, drains N. 70° W. about 7.00 chs. dist., thence S. 70° W.

66.10 Wash, 40 lks. wide, 1 ft. deep, drains SW., about 10.00 chs. dist., thence S. 70° W.; ascend a gentle SE. slope.

80.00 On a gentle SE. slope, 20 ft. above wash.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for corner of secs. 7, 12, 13, and 18, with brass cap marked.

T15S	
R12W	R11W
S12	S7
S13	S18

1936

raise a mound
of stone, 3 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd

INDEPENDENT RESURVEY OF THE WEST BDY. OF T. 15 S., R. 11 W.

Chains

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, mountain-rush and sage. A scattered growth of grass.

Good winter grazing land.

N. 0° 01' W., between secs. 7 and 12.

Over rolling desert land, through medium dense undergrowth; ascend a gentle SE. slope.

16.70 Old road, bears N. 65° W. and S. 65° E.

30.00 Top of ascent, 30 ft. above sec. corner, bears NE. and S. 80° W.; descend a gentle NW. slope.

40.00 On a gentle NW. slope, 20 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground to solid rock, with a volcanic stone, 10x6x4 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, with brass cap marked.

S12 | S7

1936

73.00 Wash, 15 lks. wide, 2 ft. deep, in small draw, 20 ft. below $\frac{1}{4}$ sec. corner, drains S. 60° W.; ascend a gradual S. slope.

78.90 Road, bears N. 60° E. and S. 60° W.

80.00 On a gradual S. slope, 10 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for corner of secs. 1, 6, 7, and 12, with brass cap marked.

T15S

R12W | R11W

S 1 | S 6

S12 | S 7

1936

raise a mound of stone, 3½ ft. base, 2 ft. high, W. of corner.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered rock on the surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, sage and yellowtop. A scattered growth of grass.

Good winter grazing land.

INDEPENDENT RESURVEY OF THE WEST BDY. OF T. 15 S., R. 11 W.

Chains

N. 0° 01' W., between secs. 1 and 6.

Over rolling desert land, through medium dense undergrowth ascend a gradual S. slope.

16.70 Top of ascent, 30 ft. above sec. corner, bears N. 75° E. and W.; descend a gradual N. slope.

25.70 Draw, 30 ft. below top of ascent, drains S. 75° W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, and in a mound of stone, to top, for $\frac{1}{4}$ sec. corner with brass cap marked.

$\frac{1}{4}$
 S 1 | S 6
 1936

raise a mound

of stone, 4 ft. base, 3 ft. high, W. of corner.

48.00 Wash, 15 lks. wide, 1 ft. deep, drains S. 75° W.; ascend a gentle SE. slope.

59.40 Top of ascent, 20 ft. above wash, bears N. 80° E. and S. 80° W.; descend a gradual N. slope.

63.00 South side of draw, bears N. 80° E. and S. 80° W.

73.60 Wash, 100 lks. wide, 2 ft. deep, in draw, 30 ft. below top of ascent, drains S. 70° W., about 10.00 chs. dist., thence NW.

74.10 North side of draw, bears N. 70° E. and S. 70° W.; ascend a gradual SE. slope, 30 ft. to township corner.

82.23 The corner of Tps. 14 and 15 S., Rs. 11 and 12 W., which is an iron post, 3 ins. diam., 6 ins. above the ground, firmly set, marked and witnessed as described in the official record.

The original $\frac{1}{4}$ sec. and sec. corners along this bdy. were found in place and destroyed. For ties and description of the corners see the field notes of the subdivision of T. 15 S., R. 12 W., group No. 273.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered volcanic rock on the surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, white sage, and yellowtop. A scattered growth of grass.

Good winter grazing land.

SUBDIVISION OF T. 15 S., R. 11 W.

September 26, 1936, at the standard corner of secs. 35 and 36 on the south boundary of the township, which is an iron post, 2 ins. diam., firmly set in a mound of stone, marked and witnessed as described in the official record, in approximate latitude 39° 28' N., longitude 113° 02' W.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

at 9h 42m 48s a. m. by my watch, which reads correct 105th meridian time as determined by radio signals September 25, 1936. I make an hour angle observation upon Polaris, west of the meridian, making two sights each with the telescope in direct and reversed positions, reading the horizontal deflection angle from Polaris, east to a well defined rock, about 60.00 chs. to the east.

Local mean time of observation-----9h 10.7m a. m.
 Azimuth of Polaris-----1° 11' W.
 Mean horizontal, 1000 fms.
 reference point-----91° 11'
 True bearing of reference point-----East.

At this same station, I make a meridian altitude observation of the sun for latitude, observing the altitude of the sun's lower limb with the telescope in direct position, reversing the transit and observing the sun's upper limb:

Apparent time of observation, noon-----12h 00m 00s
 Mean observed altitude-----49° 09' 00"
 Reduced latitude-----39° 28' N.

I deflect an angle of 90° 01' to the left from reference point east, thence

From the standard corner of secs. 35 and 36 on the south boundary of the township.

N. 0° 01' W., between secs. 35 and 36.

Over broken mountainous land, with a rocky surface, through scattered undergrowth; ascend a gradual SE. slope.

- 8.20 Spur, 80 ft. above standard sec. corner, projects E.; descend a gradual N. slope.
- 10.70 Draw, near head, 40 ft. below spur, drains E., about 20.00 chs. dist.; to junction with draw from SW.; ascend S. slope.
- 16.80 Spur, 80 ft. above draw, projects S. 70° E.; descend a gradual NE. slope.
- 36.50 Draw, 140 ft. below spur, drains SE. Old road, bears NW. and SE.; ascend a gradual rocky SW. slope.
- 40.00 On a gradual rocky SW. slope, 80 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, with a volcanic stone, 12x6x6 ins., marked X, deposited at the base, and in a mound of stone, 8 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

†
 S35 | S36

1936

- 50.80 Spur, 130 ft. above $\frac{1}{4}$ sec. corner, projects S. 60° E.; descend a gradual NE. slope.
- 55.60 Draw, 90 ft. below spur, drains S. 60° E.; ascend a steep SW. slope.
- 60.80 Spur, 70 ft. above draw, projects S. 60° E.; descend a steep NE. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

- Chains
 64.20 Junction of draws from W. and NW., 50 ft. below spur, drains SE.; ascend a steep SW. slope.
 78.20 Spur, 210 ft. above draw, projects S. 60° E.; descend over a gradual E. slope.
 80.00 On a gradual E. slope, 10 ft. below spur.
 Set an iron post, 3 ft. long, 2 ins. diam., 2 ins. in the ground to bedrock, with a volcanic stone, 10x8x3 ins., marked X, deposited at the base, and in a mound of stone, 7 ft. base, to top, for corner of secs. 25, 26, 35, and 36 with brass cap marked.
- | | |
|------|------|
| T15S | R11W |
| S26 | S25 |
| S35 | S36 |
- 1936
- Land, broken mountainous; drainage, southeasterly.
 Soil, rocky, coarse sandy clay loam, with a rocky surface and underlaid with a volcanic formation, 3rd rate.
 No timber.
 Undergrowth, scattered kerosene brush, shadscale, mountain rush and yellowtop. A scattered growth of grass.
 Good winter grazing land.
-
- East, on a random line between secs. 25 and 36.
 40.00 Set temp. $\frac{1}{4}$ sec. corner.
 79.86 Intersect the E. bdy. of the Tp., 7 lks. N. of the corner of secs. 25, 30, 31, and 36, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
 Thence
 N. 89° 57' W., on true line between secs. 25 and 36.
 Over rolling desert land, through medium dense undergrowth.
 4.70 Wash, 15 lks. wide, 1 ft. deep, drains SE.
 6.00 Old road, bears NW. and SE.
 12.90 Base of mountains, bears N. 70° W. and S. 60° E.; ascend a steep NE. slope.
 39.93 On a steep NE. slope, 200 ft. above base of mountain.
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, with a volcanic stone, 10x6x4 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked

$\frac{1}{4}$ S25
S36

1936

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 40.90 Spur, 10 ft. above $\frac{1}{4}$ sec. corner, projects S. 60° E.; descend a gradual SW. slope.
- 55.00 Head of draw, 40 ft. below spur, drains S.; ascend a steep NE. slope.
- 61.90 Enter broken volcanic ledges, bears N. and S.
- 63.70 Spur, 170 ft. above head of draw, projects SE.; descend a steep SW. slope.
- 68.90 Draw, 40 ft. below spur, drains SE.; leave ledges, bears NW. and SE.; ascend a steep NE. slope.
- 70.90 Slope changes to a gradual E. slope.
- 79.86 The corner of secs. 25, 26, 35, and 36, 80 ft. above draw.

Land, rolling desert on the E. portion, and rolling mountainous on the W. portion; drainage, southeasterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface on the E. 13.00 chs., 2nd rate; shallow, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, and volcanic ledges on the W. remainder of the mile, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, sage and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° 01' W., between secs. 25 and 26.

Over broken mountainous land, with a rocky surface, through medium dense undergrowth; ascend a gradual E. and SE. slopes.

- 4.00 Ridge, 20 ft. above sec. corner, bears NE. and SW.; descend a gradual NW. slope.
- 9.00 Head of draw, 15 ft. below ridge, drains SW.; ascend a gradual SE. slope.
- 16.20 Same ridge, 110 ft. above head of draw, bears W. about 15.00 chs. dist.; thence NW. and SE.; from this point a spur projects NE.; descend a steep rocky NW. slope.
- 28.60 Draw, 200 ft. below ridge, drains NE.; ascend a steep rocky SE. slope.
- 36.40 Spur, broken by volcanic ledges, 90 ft. above draw, projects NE., approximately 10.00 chs. dist.; descend an abrupt rocky NW. slope.
- 39.80 Draw, 90 ft. below spur, drains N. 60° E.; ascend a steep rocky SE. slope.
- 40.00 On a steep rocky SE. slope, 5 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, with a volcanic stone, 8x4x4 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

$\frac{1}{4}$
 S26 | S25
 1936

- 53.00 Spur, 160 ft. above $\frac{1}{4}$ sec. corner, projects E.; descend a steep rocky N. slope.
- 70.70 Old road, bears E. and W.
- 71.00 Draw, 280 ft. below spur, drains E.; ascend a steep E. slope.
- 80.00 On a steep rocky S. slope, 120 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, and in a mound of stone, 6 ft. base, to top, for corner of secs. 23, 24, 25, and 26, with brass cap marked.

T15S	R11W
S23	S24
S26	S25

 1936

Land, rough mountains; drainage, northeasterly on the S. portion, and southeasterly on the N. portion.

Soil, rocky, coarse sandy clay loam, with a very rocky surface, 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, yellow-top, sage and mountain-rush. A scattered growth of grass.

Good winter grazing land.

S. 89° 57' E., on a random line between secs. 24 and 25.

- 40.00 Set temp. $\frac{1}{4}$ sec. corner.
- 79.84 Intersect the E. bdy. of the Tp., 14 lks. S. of the cor. of secs. 19, 24, 25, and 30, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
- Thence
 E. 89° 57' W., on true line between secs. 24 and 25.

Over rolling desert land, through medium dense undergrowth

- 14.50 Wash, 10 lks. wide, 1 ft. deep, drains S. 30° E.
- 16.80 Leave rolling desert land; enter mountainous land, bears N. 75° W. and S. 20° E.; ascend a gradual NE. slope.
- 39.92 On a gradual NE. slope, 130 ft. above wash.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 10x12x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S24
 S25
 1936

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 45.40 Spur, 90 ft. above $\frac{1}{4}$ sec. corner, projects SE.; descend a gradual SW. slope.
- 58.50 Head of draw, 50 ft. below spur, drains S.; ascend a steep SE. slope.
- 66.20 Top of ascent, 100 ft. above head of draw, slopes S.; descend gradually along a S. slope.
- 79.84 The corner of secs. 23, 24, 25, and 26, 40 ft. below top of ascent.
- Land, rolling desert on the E. portion, and mountainous on the remainder of the mile; drainage, southeasterly.
- Soil, shallow, rocky, coarse sandy clay loam, underlaid with a volcanic formation, and with a rocky surface, 3rd rate.
- No timber.
- Undergrowth, scattered kerosene brush, shadscale, yellow-top and mountain-rush. A scattered growth of grass.
- Good winter grazing land.
-
- N. 0° 01' W., between secs. 23 and 24.
- Over mountainous land, through medium dense undergrowth; ascend a steep rocky S. slope.
- 4.70 Spur, 80 ft. above sec. corner, projects E.; descend a steep, rocky NE. slope.
- 24.90 Draw, 280 ft. below spur, drains E., approximately 5.00 chs. dist., thence SE.; ascend a steep S. slope.
- 34.00 Spur, 110 ft. above draw, projects E.; descend a steep N. slope.
- 40.00 On a steep N. slope, 90 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, with a volcanic stone, 6x6x4 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
- $\frac{1}{4}$
- S23 | S24
- 1936
- 51.10 Leave mountainous land; enter rolling desert land, bears N. 80° W. and S. 10° E. Old road, bears N. 80° W. and E.
- 52.80 Wash, 20 lks. wide, 1 ft. deep, 50 ft. below $\frac{1}{4}$ sec. corner, drains E.; ascend a gentle S. slope.
- 78.80 Top of low ascent, 20 ft. above wash, slopes SE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground to solid rock, with a volcanic stone, 12x6x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for corner of secs. 13, 14, 23, and 24, with brass cap marked.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

T15S	R11W
S14	S13
S23	S24

1936

Land, mountainous on the S. portion of the mile, and rolling desert land on the N. portion of the mile; drainage, southeasterly.

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface on the S. portion of the mile, 3rd rate; shallow, coarse sandy clay loam, with scattered rocks on the surface on the N. portion of the mile, 2nd rate.

No timber.

Undergrowth, scattered kerosene brush, sage, yellowtop, mountain-rush and shadscale. A scattered growth of grass.

Good winter grazing land.

N. 89° 57' E., on a random line between secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.82 Intersect the E. bdy. of the Tp., 2 lks. S. of the corner of secs. 13, 18, 19, and 24, which is an iron post, 2 ins diam., firmly set, marked and witnessed as described in the official record.

Thence

S. 89° 56' W., on true line between secs. 13 and 24.

Over rolling land, through medium dense undergrowth; ascend a gradual E. slope.

1.00 Top of ascent, 20 ft. above sec. corner, slopes S.; descend a gradual SW. slope

11.30 Wash, 10 lks. wide, 1 ft. deep, in small draw, 20 ft. below top of ascent, drains S. 10° E.; ascend a gentle NE. slope.

15.70 Road, bears S. 80° E. to Delta, Utah and N. 30° W. to Joy, Utah.

28.80 Top of ascent, 10 ft. above draw, bears N. 10° W. and S. 10° E.; descend a gentle rolling W. slope.

39.91 On a gentle W. slope, 30 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S13
S24.

1936

of stone, 3 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, N. of corner. raise a mound

42.30 Wash, 10 lks. wide, 2 ft. deep, drains S. 15° W. about 5.00 chs. dist., thence SE.; ascend a gentle E. slope.

48.70 Top of low ascent, 10 ft. above wash, slopes S.; descend a gentle W. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 55.80 Wash, 300 lks. wide, 2 ft. deep, 10 ft. below top of ascent, drains SE.
- 60.20 Wash, 20 lks. wide, 1 ft. deep, drains SE.; ascend a gentle NE. slope.
- 70.80 Top of low ascent, 40 ft. above wash, slopes SE.
- 74.50 Wash, 20 lks. wide, 2 ft. deep, drains SE.
- 79.82 The corner of secs. 13, 14, 23, and 24.
- Land, rolling desert; drainage, southeasterly.
- Soil, coarse sandy clay loam, with scattered rock on the surface, 2nd rate.
- No timber.
- Undergrowth, medium dense kerosene brush, and scattered shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.
- Good winter grazing land.
-
- N. 0° 01' W., between secs. 13 and 14.
- Over rolling desert land, through medium dense undergrowth; descend a gentle NE. slope.
- 3.80 Wash, 20 lks. wide, 1 ft. deep, 10 ft. below sec. corner, drains SE.
- 10.40 Wash, 10 lks. wide, 1 ft. deep, drains SE.
- 31.00 Wash, 10 lks. wide, 1 ft. deep, drains SE.; ascend a gentle SW. slope.
- 32.80 Top of low ascent, 10 ft. above wash, slopes SE.; descend a gentle NE. slope.
- 38.10 Wash, 100 lks. wide, 1 ft. deep, 30 ft. below top of ascent, drains SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

†

S14	S13
1936	

raise a mound

of stone, 3 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner.

- 54.20 Wash, 10 lks. wide, 1 ft. deep, drains SE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for corner of secs. 11, 12, 13, and 14, with brass cap marked.

T15S R11W

S11	S12
S14	S13

1936

raise a mound

of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner.

SUBDIVISION OF T. 15 N., R. 11 W.

Chains	<p>Land, rolling desert, broken by washes and low scattered drainage, southeasterly.</p> <p>Soil, coarse sandy clay loam, with scattered rock on the surface, 2nd rate.</p> <p>No timber.</p> <p>Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, white sage and mountain-rush. A scattered growth of grass.</p> <p>Good winter grazing land.</p>
	<p>N. 89° 56' E., on a random line between secs. 12 and 13.</p>
40.00	Set temp. $\frac{1}{4}$ sec. corner.
79.84	Intersect the E. bdy. of the Tp., 2 lks. N. of the corner of secs. 7, 12, 13, and 18, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
	Thence
	S. 89° 57' W., on true line between secs. 12 and 13.
	Over rolling land, with a rocky surface, through medium dense undergrowth; descend a gentle W. slope.
3.50	Wash, 10 lks. wide, 1 ft. deep, 10 ft. below sec. corner, drains SE.; ascend a gentle E. slope.
8.00	Top of ascent, 20 ft. above wash, bears N. and S. 20° W.; descend a gradual NW. slope.
15.20	Wash, 70 ft. below top of ascent, drains S. 20° W.
21.10	Wash, 60 lks. wide, 4 ft. deep, drains S. 15° W.; ascend a gentle SE. slope.
22.40	Road, bears N. 30° W. and S. 30° E.
39.92	On top of ascent, 20 ft. above wash, bears N. 15° E. and S. 15° W.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 7x4x2 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
	$\frac{S12}{S13}$
	1936
	Descend a gradual NW. slope.
41.40	Small draw, 30 ft. below $\frac{1}{4}$ sec. corner, drains S. 20° W.; ascend a gentle SE. slope.
45.70	Top of ascent, 20 ft. above draw, bears N. 15° E. and S. 15° W.; descend a gradual NW. slope.
50.00	Wash, 20 lks. wide, 1 ft. deep, 50 ft. below top of ascent, drains S. 20° W.; ascend a gradual SE. slope.
55.00	Top of ascent, 40 ft. above wash, slopes S. 20° W.; descend a gradual NW. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 60.40 Wash, 20 lks. wide, 1 ft. deep, 30 ft. below top of ascent, drains S. 10° W.
- 66.80 Road, bears N. 15° W. to Joy, Utah, and S. 15° E. to Delta, Utah.
- 68.20 Wash, 40 lks. wide, 3 ft. deep, drains S.
- 75.30 Wash, 35 lks. wide, 2 ft. deep, drains S.
- 79.84 The corner of secs. 11, 12, 13, and 14.
- Land, rolling desert; drainage, southerly.
- Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.
- No timber.
- Undergrowth, scattered kerosene brush, white sage, shadscale, yellowtop and mountain-rush. A scattered growth of grass.
- Good winter grazing land.
-
- N. 0° 01' W., between secs. 11 and 12.
- Over rolling desert land; through medium dense undergrowth.
- 17.00 Wash, 20 lks. wide, 1 ft. deep, drains S. 20° E., from NW.
- 38.20 Wash, 20 lks. wide, 2 ft. deep, drains S. 15° E.
- 39.30 Road, bears S. 20° E. to Delta, Utah and N. 20° W. to Joy, Utah. Road to mines, bears SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.
- $\frac{1}{4}$
 S11 | S12
 1936
- raise a mound
- of stone, 3 ft. base, 2 ft. high, W. of corner.
- 50.00 Leave rolling desert land; enter mountainous land, bears N. and SE. Enter scattered junipers, bears NW. and SE.
- 53.90 Wash, 20 lks. wide, 1 ft. deep, drains S. 30° W.; ascend a gradual SE. slope.
- 59.20 Spur, 80 ft. above $\frac{1}{4}$ sec. corner, projects S. 20° W.; from N. 70° E.; descend a gradual NW. slope.
- 61.00 Small draw, 20 ft. below spur, drains SW., from about 4.00 chs. dist. E.; ascend a gradual SE. slope.
- 63.10 Spur, 30 ft. above draw, projects SW.; descend a gradual NW. slope.
- 69.30 Draw, 20 ft. below spur, drains S. 70° W., about 2 chs. dist., thence SW.; ascend a gradual SE. slope.
- 72.70 Spur, 60 ft. above draw, projects S. 70° W., from N. 15° E.; descend a gradual NW. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains
75.54

Intersect Line 2-3, Survey No. 4656, May Pay land, on a point from which corner No. 3 bears S. 88° 05' W., 4.82 chs. dist., which is a cedar post, 4 ins. square, 2 ft. above a mound of stone, firmly set, marked and witnessed as described in the official record.

80.00

On a gradual NW. slope, 20 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, and in a mound of stone, 7 ft. base, to top, for corner of secs. 1, 2, 11, and 12, with brass cap marked.

T15S	R11W
S 2	S 1
S11	S12

1936

from which

A scrub juniper, 8 ins. diam., bears N. 48° 15' E., 75 lks. dist., marked B T.

A scrub juniper, 6 ins. diam., bears S. 69° 30' W., 238 lks. dist., marked B T.

A scrub juniper, 8 ins. diam., bears N. 65° 15' W., 130 lks. dist., marked B T.

No bearing tree available in sec. 12.

Land, rolling desert on the S. portion of the mile, and mountainous on the N. portion of the mile; drainage, southeasterly on the S. portion of the mile, and southwesterly on the N. portion of the mile.

Soil, rocky, coarse sandy clay loam, with a rocky surface 2nd rate.

Timber, scattered scrub juniper on the N. portion of the mile, no timber on the S. portion of the mile.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop and white sage. A scattered growth of grass.

Good winter grazing land.

N. 89° 57' E., on a random line between secs. 1 and 12.

40.00

Set temp. $\frac{1}{4}$ sec. corner.

79.86

Intersect the E. bdy. of the Tp., 7 lks. N. of the corner of secs. 1, 6, 7, and 12, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

Thence

West, on true line between secs. 1 and 12.

Over mountainous land, broken by small limestone ledges and outcroppings, through scattered timber and undergrowth descend a steep NW. slope.

5.80

Draw, 60 ft. below sec. corner, drains SW.; ascend a gradual SE. slope.

11.20

Spur, 30 ft. above draw, projects S. 15° W.; graded road bears N. 80° E. and S. 15° W.; descend a gradual NW. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 15.10 Draw, 20 ft. below spur, drains S. 20° W. Road, bears N. 20° E. and S. 20° W.; ascend a gradual E. slope.
- 22.30 Spur, 70 ft. above draw, projects S.; descend a steep W. slope.
- 29.90 Road, bears N. and S.
- 30.70 Draw, 90 ft. below spur, drains S.; ascend an abrupt E. slope.
- 33.90 Feet of broken limestone ledges, bears N. and S.
- 35.60 Spur, 140 ft. above draw, projects S.; leave ledges, bears N. and S.; descend a gradual W. slope.
- From this point center of mine hoist, bears N. 16° 45' E., 37.12 chs. dist.
- West gable end of frame cabin, 15 ft. by 12 ft., bears N. 17° 25' E., 37.06 chs. dist.
- South gable end of frame cabin, 15 ft. by 12 ft., bears N. 14° 42' E., 33.48 chs. dist.
- 37.50 Head of draw, 20 ft. below spur, drains S.; ascend a gradual SE. slope.
- 39.30 Spur, 20 ft. above head of draw, projects S. 10° W.; descend a steep NW. slope, broken by ledges.
- 39.93 On a steep rocky NW. slope, 10 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, with a limestone, 6x4x4 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.
- $$\begin{array}{r} \frac{1}{4} \frac{S}{S12} \frac{1}{12} \\ \hline \end{array}$$
- 1936
- No suitable bearing trees available.
- 43.40 Draw, 70 ft. below $\frac{1}{4}$ sec. corner, drains S. 20° W.; ascend a gradual SE. slope.
- 44.90 Rocky spur, 30 ft. above draw, projects S. 20° W.; descend a steep NW. slope.
- 47.70 Draw, 80 ft. below spur, drains S. 20° W.; road, bears N. 20° W. and S. 20° W.; ascend a steep SE. slope, broken by ledges.
- 50.10 Center of mine hoist, bears N. 1° 05' E., 30.38 chs. dist.
- South gable end of frame cabin, 20 ft. by 18 ft., bears N. 1° 00' E., 29.17 chs. dist.
- South gable end of frame cabin, 20 ft. by 18 ft., bears N. 1° 30' E., 19.26 chs. dist.
- 62.11 Intersect line 1-2, Survey No. 4656, May Pay lode, at a point from which corner No. 2, bears S. 2° 40' E., 3.85 chs. dist., which is a cedar post, 4 ins. square, 2 ft. above a mound of stone, firmly set, marked and witnessed as described in the official record.
- 62.90 Spur, 110 ft. above draw, projects S. 20° W.; descend a steep NW. slope, broken by small ledges.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains	
74.90	Draw, 120 ft. below spur, drains S. 20° W.; ascend a gradual SE. slope.
77.80	Spur, 40 ft. above draw, projects S. 10° W.; descend a gradual NW. slope.
79.86	The corner of secs. 1, 2, 11, and 12, 40 ft. below spur.
	Land, mountainous; drainage, southwesterly.
	Soil, shallow, rocky, coarse sandy clay loam, with numerous limestone and quartzite ledges and outcroppings, 4th rate.
	Timber, scattered scrub juniper.
	Undergrowth, scattered kerosene brush, shadscale, sage and yellowtop. A scattered growth of grass.
	Good winter grazing land.
	N. 0° 01' W., on a random line between secs. 1 and 2.
40.00	Set tamp. $\frac{1}{4}$ sec. corner.
82.15	Intersect the N. bdy. of the Tp., 19 lks. E. of the cor. of secs. 1, 2, 35, and 36, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
	Thence
	S. 0° 09' E., on true line, between secs. 1 and 2.
	Over mountainous land, through scattered timber and undergrowth; ascend a rolling NE. slope.
9.70	Spur, 70 ft. above sec. corner, projects S. 80° E.; descend a steep SW. slope.
12.10	Draw, 70 ft. below spur, drains S. 80° E.; ascend a steep NE. slope.
18.00	Spur, 90 ft. above draw, projects SE.; descend along a steep W. slope.
24.40	Descend a steep SW. slope.
31.10	Head of small draw, drains S. 10° E.; descend a gradual SE. slope.
42.15	On a gradual SE. slope, 280 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 10x10x4 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S. 2

S. 1

1936

A scrub juniper, 6 ins. diam., bears N. 81° 00' E., 1 lks. dist., marked B.T. from which

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

A scrub juniper, 5 ins. diam., bears N. 62° 00' W., 91 lks. dist., marked B T.

From this corner the U. S. M. M. No. 2 of the Detroit Mining District, which is a sawed pine post, 4x6 ins., 4 ft. above a mound of stone, firmly set in a large mound of stone, marked USM No 2 Detroit Mining Dist on one face, bears S. 70° 22' E., 18.06 chs. (mean of two chainings) dist. This monument is located on top of a conspicuous point on ridge.

44.30 Road, bears N. 75° E. and S. 75° W.

45.30 Draw, 20 ft. below $\frac{1}{4}$ sec. corner, drains S. 75° W., about 5.00 chs. dist., thence SW.; ascend a steep N. slope, broken by ledges.

48.20 Spur, 70 ft. above draw, projects W.; descend a steep S. slope, broken by ledges.

51.83 Intersect line 3-4, Survey No. 4656, Violey lode, at a point from which corner No. 3, bears N. 89° 29' W., 6.84 chs. dist., which is a pine post, 4 ins. square, 2 ft. above a mound of stone, firmly set, marked and witnessed as described in the official record.

52.30 Draw, 80 ft. below spur, drains S. 80° W.; ascend a steep NW. slope, broken by ledges.

57.60 Spur, 60 ft. above draw, projects SW.; descend a steep SE. slope.

65.30 Draw, 100 ft. below spur, drains SW., about 5.00 chs. dist. thence S.; ascend a steep NW. slope.

67.70 Point of spur, 30 ft. above draw, slopes SW.; descend a steep SE. slope.

80.00 Draw, 110 ft. below spur, drains S. 10° W. from NE.; ascend a gradual rocky NW. slope.

82.15 The corner of secs. 1, 2, 11, and 12, 10 ft. above draw.

Land, broken mountainous; drainage, southwesterly.

Soil, shallow, rocky, coarse sandy clay loam, with numerous outcroppings and ledges, 4th rate.

Timber, scattered juniper.

Undergrowth, scattered kerosene brush, shadscale, sage and yellowtop. A medium dense growth of grass.

Good winter grazing land.

From the standard corner of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp., which is an iron post, 2 ins. in diam., firmly set, marked and witnessed as described in the official record.

N. 0° 01' W., between secs. 34 and 35.

Over mountainous land, through scattered undergrowth; ascend a gradual W. slope.

0.50 Draw, drains S. 20° E.

7.90 Wash, 25 lks. wide, $1\frac{1}{2}$ ft. deep, drains S. 15° W.; ascend a gradual SE. slope.

15.00 Wash, 18 lks. wide, 1 ft. deep, drains SE.

SUBDIVISION OF T. 15 N., R. 11 W.

Chains
40.00

On spur, 180 ft. above sec. corner, projects N.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a volcanic stone, 4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S34 | S35

1936

Descend a gradual NE. slope.

47.50

Wash, 10 lks. wide, 3 ft. deep, in draw, 40 ft. below spur, drains S. 60° E.; ascend a steep SE. slope.

54.30

Spur, 90 ft. above draw, projects S. 60° W.; descend a gradual NW. slope.

56.20

Head of draw, 10 ft. below spur, drains S. 60° W.; ascend a gradual SW. slope.

65.90

Same spur, 110 ft. above head of draw, projects S. 60° E.; descend a steep NE. slope.

69.20

Head of draw, 40 ft. below spur, drains S. 70° E.; ascend a steep SE. slope.

76.10

Same spur, 80 ft. above head of draw, projects S. 70° W.; descend an abrupt NW. slope.

80.00

On an abrupt NW. slope, 60 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, with a volcanic stone, 4x3x2 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for corner of secs. 26, 27, 34, and 35 with brass cap marked.

T15S | R11W
S27 | S26
S34 | S35

1936

Land, mountainous; drainage, southeasterly.

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, 4th rate.

Timber, a few scattered juniper.

Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

East, on a random line between secs. 26 and 35.

40.00

Set temp. $\frac{1}{4}$ sec. corner.

79.84

Intersect N. and S. line, 7 lks. S. of the corner of secs. 25, 26, 35, and 36.

Thence

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

S. 89° 57' W., on true line between secs. 26 and 35,
Over mountainous land, through scattered undergrowth;
ascend a gradual E. slope.

2.00 Ridge, 20 ft. above sec. corner, bears N. 20° E. and
S. 20° W.; descend a steep NW. slope.

10.20 Draw, 90 ft. below spur, drains S. 15° W.; ascend a
gradual SE. slope.

15.30 Spur, 20 ft. above draw, projects S. 20° W.; descend a
gradual NW. slope.

23.70 Draw, 90 ft. below spur, drains S. 20° W.; ascend a
gradual SE. slope.

30.30 Spur, 40 ft. above draw, projects S. 10° W.; descend a
gradual NW. slope.

34.70 Draw, 60 ft. below spur, drains S. 15° W.; ascend a
gradual NE. slope.

39.92 On a gradual NE. slope, 20 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ $\frac{S26}{S35}$

1936

of stone, 3 ft. base, 3 ft. high, N. of corner. raise a mound

Ascend a steep NE. slope.

47.90 Spur, 120 ft. above $\frac{1}{4}$ sec. corner, projects S. 80° E.;
descend a gradual SW. slope.

61.80 Draw, 70 ft. below spur, drains SE.; ascend an abrupt NE.
slope, broken by ledges.

75.30 Spur, 260 ft. above draw, projects SW.; also a spur
projects S 20° E.; descend a steep NW. slope.

79.84 The corner of secs. 26, 27, 34, and 35, 90 ft. below spur.

Land, mountainous; drainage, southeasterly on the W.
portion of the mile, and southwesterly on the E. portion
of the mile.

Soil, shallow, rocky, coarse sandy clay loam, underlaid
with a volcanic formation, and with a rocky surface, 4th
rate.

Timber, a few scattered juniper.

Undergrowth, scattered kerosene brush, yellowtop, sage and
mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° 01' W., between secs. 26 and 27.

Over rough mountainous land, through a few widely scattered
junipers and scattered undergrowth; descend a steep NW.
slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains	
3.00	Draw near head, 40 ft. below sec. corner, drains S. 70° W.; ascend a steep SE. slope.
10.60	Spur, 100 ft. above, draw, projects S. 70° W.; descend a steep NW. slope.
15.30	Draw, near head, 80 ft. below spur, drains S. 60° W.; ascend an abrupt S. slope.
25.60	Spur, 230 ft. above draw, projects SE.; descend a steep NE. slope.
30.40	Draw, near head, 70 ft. below spur, drains S. 60° E.; ascend a gradual SE. slope.
37.10	Spur, 30 ft. above draw, projects SW.; descend a gradual NW. slope.
40.00	On a gradual NW. slope, 20 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 5x4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

S27	S26
-----	-----

1936

Ascend a steep SW. slope.

49.90	Ridge, 100 ft. above $\frac{1}{4}$ sec. corner, bears N. 50° E. and S. 80° W.; descend a steep NW. slope.
69.60	Wash, 35 lks. wide, 2 ft. deep, in draw, 390 ft. below ridge, drains NE.; ascend a gradual S. slope.
70.80	Old road, bears NE. and SW.
80.00	On spur, 60 ft. above draw, projects S. 80° E.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, and in a mound of stone, 6 ft. base, to top, for corner of secs. 22, 23, 26, and 27, with brass cap marked.

T15S	R11W
S22	S23
S27	S26

1936

from which

A scrub juniper, 15 ins. diam., bears E. 75° 45' E., 226 lks. dist., marked BT.

A juniper limb, 4 ins. diam., bears S. 68° 45' E., 229 lks. dist., marked T15S R11W S26 BT.

A scrub juniper, 12 ins. diam., bears S. 44° 45' W., 125 lks. dist., marked T15S R11W S27 BT.

A juniper limb, 10 ins. diam., bears N. 14° E., 224 lks. dist., marked BT.

Land, mountainous; drainage, southeasterly and southwesterly on S. portion, and northeasterly on N. portion of mile.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Soil, shallow, rocky, coarse sandy clay loam, underlaid with a volcanic formation, with a rocky surface, 4th rate.

Timber, a few widely scattered junipers.

Undergrowth, scattered kerosene brush, shadscale and yellowtop. A scattered growth of grass.

Good winter grazing land.

N. 89° 57' E., on a random line between secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.90 Intersect N. and S. line, 2 lks. N. of the corner of secs. 23, 24, 25, and 26.

Thence

S. 89° 58' W., on true line between secs. 23 and 26.

Over mountainous land, through a few widely scattered junipers, and scattered undergrowth; descend a gradual S. slope.

2.00 Descend a steep S. slope.

8.60 Draw, 110 ft. below sec. corner, drains S., heads N. about 2.00 chs. dist.; ascend a steep E. slope.

8.90 Old road, bears N. and S.

19.30 Spur, 190 ft. above draw, projects S.; descend a SW. slope.

25.60 Draw, 120 ft. below spur, drains SE.; ascend a gradual NE. slope.

27.80 Old road, bears NW. and SE.

39.95 On gradual NE. slope, 90 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 4x4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ S23
S26

1936

No suitable bearing trees available.

54.40 Spur, 120 ft. above $\frac{1}{4}$ sec. corner, projects S. 80° E.; also a spur projects N.; descend a steep NW. slope.

67.90 Draw, 90 ft. below spur, drains NE.; ascend a gradual NE. slope.

70.20 Old road, bears NE. and SW.

79.90 The corner of secs. 22, 23, 26, and 27, 100 ft. above draw.

Land, mountainous; drainage, southeasterly on the E. portion of the mile, and northeasterly on the W. portion of the mile.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, and underlaid with a volcanic formation, 4th rate.

Timber, a few widely scattered junipers.

Undergrowth, scattered kerosene brush, shadscale and yellowtop. A scattered growth of grass.

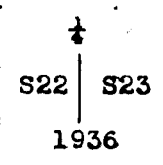
Good winter grazing land.

N. 0° 01' W., between secs. 22 and 23.

Over mountainous land, through a few widely scattered junipers, and scattered undergrowth; descend a steep NE. slope.

- 5.00 Draw, 60 ft. below sec. corner, drains S. 80° E.; ascend a steep SW. slope.
- 22.40 Spur, 370 ft. above draw, projects SE.; descend rocky, steep NE. slope.
- 40.00 On a steep NE. slope, 320 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 6x4x2 ins., marked X, deposited at the base, and in a mound of stone 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.



No bearing trees available..

- 42.60 Draw, 40 ft. below $\frac{1}{4}$ sec. corner, drains S. 70° E.; ascend a steep S. slope.
- 60.00 Spur, 200 ft. above draw, projects E.; descend a steep N. slope.
- 69.40 Draw, 200 ft. below spur, drains E.; ascend a gradual S. slope.
- 74.30 Spur, 70 ft. above draw, projects E.; descend a steep N. slope.
- 76.40 Draw, 30 ft. below spur, drains E.; ascend a steep SE. slope.
- 80.00 On a steep SE. slope, 80 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 5x5x2 ins., marked X, deposited at the base, and in a mound of stone 6 ft. base, to top, for corner of secs. 14, 15, 22, and with brass cap marked.



No bearing trees available.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Land, mountainous; drainage, southeasterly.

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 3rd rate.

Timber, a few widely scattered junipers.

Undergrowth, scattered kerosene brush, shadscale, mountain-rush and yellowtop. A scattered growth of grass.

Good winter grazing land.

N. 89° 58' E., on a random line between secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.86 Intersect N. and S. line, 5 lks. N. of the corner of secs. 13, 14, 23, and 24.

Thence

West, on true line between secs. 14 and 23.

Over rolling desert land, through medium dense undergrowth; ascend a gradual NE. slope.

1.40 Top of ascent, 10 ft. above sec. corner, bears N. 80° W. and SE.; ascend along a gradual S. slope.

22.80 Top of same ascent, 80 ft. above sec. corner, bears N. 80° E. and SW.; descend a gradual NW. slope.

31.30 Wash, 18 lks. wide, 1 ft. deep, 30 ft. below top of ascent, drains NE.; ascend a gradual NE. slope.

39.93 On a gradual NE. slope, 20 ft. above wash.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 16x6x6 ins., marked X, deposited alongside of corner, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ $\frac{S14}{S23}$

1936.

44.30 Top of ascent, 40 ft. above $\frac{1}{4}$ sec. corner, bears NW. and SE.; descend a gradual SW. slope.

47.10 Wash, 12 lks. wide, 1 ft. deep, 10 ft. below top of ascent, drains SE. Leave rolling desert land; enter mountainous land; bears NW. and SE.; ascend a gradual NE. slope.

53.50 Old road, bears NW. and SE.

71.60 Spur, 200 ft. above wash, projects S. 80° E.; descend a gradual SW. slope.

77.20 Draw, near head, 20 ft. below spur, drains SE.; ascend a steep SE. slope.

79.86 The corner of secs. 14, 15, 22, and 23, 70 ft. above draw.

Land, rolling desert on the E. portion of the mile, and mountainous on the W. portion of the mile; drainage, northeasterly on the E. portion of the mile, and southeasterly on the W. portion of the mile.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Soil, coarse sandy clay loam, with scattered rock on the surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, sage and yellowtop. A scattered growth of grass

Good winter grazing land.

N. 0° 01' W., between secs. 14 and 15.

Over mountainous land, through medium dense undergrowth; ascend a steep SE. slope.

- 4.30 Spur, 90 ft. above sec. corner, projects E.; descend an abrupt N. slope.
- 20.00 Old road, bears NW. and SE.
- 20.60 Wash, 40 lks. wide, 3 ft. deep, in draw, 290 ft. below spur, drains S. 65° E.; ascend a gradual SW. slope.
- 24.60 Spur, 40 ft. above draw, projects SE.; descend a gradual NE. slope.
- 35.60 Draw, 70 ft. below spur, drains NE. Leave mountainous land; enter rolling desert land, bears NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$

S15 | S14

1936

of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner. raise a mound

- 40.80 Wash, 60 lks. wide, 1 ft. deep, drains N. 70° E.; ascend a gentle S. slope.
- 58.50 Wash, 20 lks. wide, 3 ft. deep, drains E.
- 62.10 Top of low ascent, 10 ft. above $\frac{1}{4}$ sec. cor. bears E. and W.; descend a gentle N. slope.
- 73.00 Wash, 20 lks. wide, 3 $\frac{1}{2}$ ft. deep, 20 ft. below top of ascent, drains S. 80° E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for corner of secs. 10, 11, 14 and 15, with brass cap marked.

T15S | R11W

S10 | S11

S15 | S14

1936

of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner. raise a mound

Land, mountainous on the S. portion of the mile, and rolling desert on the N. portion of the mile; drainage, southeasterly.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Soil, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, mountain-rush and sage. A scattered growth of grass.

Good winter grazing land.

East, on a random line between secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. corner.

79.88 Intersect N. and S. line, 2 lks. N. of the corner of secs. 11, 12, 13 and 14.

Thence

N. 89° 59' W., on true line between secs. 11 and 14.

Over rolling desert land, through medium dense undergrowth.

3.20 Wash, 10 lks. wide, 1 ft. deep, drains S.

22.20 Wash, 12 lks. wide, 1 ft. deep, drains SE.

29.10 Wash, 10 lks. wide, 1 ft. deep, drains S. 10° E.

36.38 True point for $\frac{1}{4}$ sec. corner falls in wash, therefore

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness $\frac{1}{4}$ sec. corner, with brass cap marked.

$\frac{1}{4}$ $\frac{S11}{S14}$ WC

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, N. of corner.

39.94 True point for $\frac{1}{4}$ sec. corner, wash, 100 lks. wide, 2 ft. deep, drains SE., impracticable to set corner.

52.50 Wash, 60 lks. wide, 4 ft. deep, drains SE.

79.88 The corner of secs. 10, 11, 14, and 15, 70 ft. above witness $\frac{1}{4}$ sec. corner.

Land, rolling desert broken by low ascents and washes; drainage, southeasterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, white sage and mountain-rush. A scattered growth of grass.

Good winter grazing land.

SUBDIVISION OF T. 15 E., R. 11 N.

Chains

E. 0° 01' W., between secs. 10 and 11.

Over rolling desert land, through medium dense undergrowth

8.50 Wash, 12 lks. wide, 1 ft. deep, drains E.

15.20 Wash, 12 lks. wide, 1 ft. deep, drains S. 70° E.

29.20 Wash, 50 lks. wide, 2 ft. deep, drains S. 50° E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

+

S10 | S11

1936

raise a mound
of stone, 2½ ft. base, 2½ ft. high, W. of cor.

58.90 Wash, 20 lks. wide, 2 ft. deep, drains SW.

80.00 On a gentle W. slope, 40 ft. above $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, with brass cap marked.

T15S	R11W
S 3	S 2
S10	S11

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, rolling desert; drainage, southeasterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, white sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

S. 89° 59' E., on a random line between secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.84 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 1, 2, 11, and 12.

Thence

N. 89° 58' W., on true line between secs. 2 and 11.

Over mountainous land, through scattered junipers, and medium dense undergrowth; descend a gradual NW. slope.

.60 Draw, 5 ft. below sec. cor., drains S. 15° W.; ascend a steep SE. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

- Chains**
- 1.10 Old road, bears E. 15° E. and S. 15° W.
- 4.70 Spur, 90 ft. above draw, projects S. 15° W.; descend a gradual NW. slope.
- 5.04 Intersect line 3-4, Survey No. 4656, May Pay lode, at a point from which cor. No. 3, bears S. 2° 40' E., 4.63 chs. dist., heretofore described.
- 7.00 Draw, 30 ft. below spur, drains S. 30° W.; ascend a steep SE. slope.
- 16.20 Spur, 130 ft. above draw, projects S. 30° W.; descend a steep NW. slope.
- 32.10 Wash, 20 lks. wide, 5 ft. deep, 210 ft. below spur, drains SW. Leave mountainous land; enter rolling land, bears N. 10° E. and S. 10° W.
Road, bears N. 10° E. to Joy, Utah, and S. 10° W. to Delta, Utah.
- 39.92 Set an iron post, 3 ft. long, 1 in. diam., 7 ins. in the ground to solid rock, with a volcanic stone, 7x5x2 ins., marked X, deposited alongside, and in a mound of stone, 5 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\frac{S\ 2}{S11}$$

1936

From this $\frac{1}{4}$ sec. cor. a U.S. Coast and Geodetic bench mark, which is a brass tablet, firmly set in a cement block, extending 8 ins. above the ground, bears N. 23° 50' W., 39.12 chs. dist., with brass tablet marked.

$$\frac{R\ 78}{S11}$$

1934

- 53.60 Wash, 30 lks. wide, 1 $\frac{1}{2}$ ft. deep, drains S. 10° W.
- 57.40 Wash, 40 lks. wide, 2 ft. deep, drains S. 10° W.; ascend a gentle E. slope.
- 67.10 Top of ascent, 40 ft. above $\frac{1}{4}$ sec. cor., slopes S.; descend a gentle W. slope.
- 73.00 Wash, 30 lks. wide, 1 ft. deep, 40 ft. below top of ascent, drains S. 10° W.
- 79.84 The cor. of secs. 2, 3, 10, and 11.

Land, mountainous on the E. portion of the mile, and rolling land on the W. portion of the mile; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, underlaid with a volcanic formation, and with a rocky surface, 3rd rate.

Timber, a few widely scattered junipers.

Undergrowth, medium dense kerosene brush, and scattered shadscale, white sage, yellowtop, and mountain-rush. A scattered growth of grass.

Good winter grazing land.

SUBDIVISION OF T. 12 S., R. 11 W.

Chains	N. 0° 02' W., on a random line between secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
82.02	Intersect the N. bdy. of the Tp., 14 lks. E. of the cor. of secs. 2, 3, 34, and 35, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
	Thence
	S. 0° 15' E., on true line between secs. 2 and 3.
	Over rolling hills, through a few widely scattered juniper and scattered undergrowth; descend a gradual SE. slope.
3.70	Small draw, 10 ft. below sec. cor., drains S. 70° W.; ascend a gradual NW. slope.
5.96	Intersect line 1-2, Survey No. 5903, Johana No. 3 lode, at a point from which cor. No. 1, bears N. 42° 43' E., 18.05 chs. dist., which is a pine post, 4 ins. square, 2 ft. above a mound of stone, firmly set, marked and witnessed as described in the official record.
9.80	Low spur, 20 ft. above draw, projects S. 80° W.; descend a gradual SE. slope.
13.10	Draw, 20 ft. below spur, drains SW.; ascend a gradual NW. slope.
15.60	Low spur, 20 ft. above draw, projects S. 70° W.; descend a gradual SE. slope.
21.70	Draw, 20 ft. below spur, drains S. 70° W.; ascend a gradual NW. slope.
22.30	Road, bears N. 60° W. to Joy, Utah, and S. 60° E. to Delta, Utah.
31.60	Wash, 20 lks. wide, 2 ft. deep, drains S. 70° W.; ascend a steep NW. slope.
37.70	Top of knoll on ridge, 100 ft. above draw, bears NE. and S. 80° W.; descend a gradual SE. slope.
42.02	On a gradual SE. slope, 20 ft. below top of knoll.
	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	<div style="text-align: center;"> $\frac{1}{4}$ S 3 S 2 1936 </div>
	raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
55.00	Draw, 90 ft. below $\frac{1}{4}$ sec. cor., drains S. 20° E.; leave hills; enter rolling desert land, bears W. and SE.; ascend a gradual NE. slope.
60.30	Top of ascent, 10 ft. above draw, slopes SE.; descend a gentle SW. slope.
82.02	The cor. of secs. 2, 3, 10, and 11, 80 ft. below top of ascent.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Land, rolling hills on the N. portion of the mile, and rolling desert on the S. portion of the mile; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

Timber, a few widely scattered scrub junipers.

Undergrowth, scattered kerosene brush, shadscale, yellow-top and mountain-rush. A scattered growth of grass.

Good winter grazing land.

From the standard cor. of secs. 33 and 34, on the S. bdy. of the Tp., which is an iron post, 2 ins. diam., firmly set in a mound of stone, marked and witnessed as described in the official record.

N. 0° 02' W., between secs. 33 and 34.

Over broken mountainous land, through scattered undergrowth; descend a rocky NW. slope.

29.00 Draw, 210 ft. below standard sec. cor., drains SW.; ascend a steep rocky SE. slope.

39.50 Spur, 210 ft. above draw, projects SW.; descend a steep rocky NW. slope.

40.00 On a steep rocky NW. slope, 5 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 8x3x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S33 | S34

1936

47.50 Draw, 140 ft. below $\frac{1}{4}$ sec. cor., drains SW.; ascend a steep, rocky SE. slope.

53.50 Spur, 100 ft. above draw, projects SW.; descend a gradual NW. slope.

56.20 Head of draw, 20 ft. below spur, drains SW.; ascend a steep SE. slope.

63.00 Foot of broken volcanic ledges, bears E. and W.

67.80 Spur, broken by volcanic ledges, 280 ft. above head of draw, projects SW.; descend an abrupt NW. slope over volcanic ledges.

73.30 Top of ledge, 100 ft. high, bears NE. and SW.

80.00 On steep NW. slope, 340 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock, with a volcanic stone, 8x6x3 ins., marked X, deposited alongside, and in a mound of stone, 5 ft. base, to top, for cor. of secs. 27, 28, 33, and 34, with brass cap marked.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

T15S	R11W
S28	S27
S33	S34

1936

raise a mound
of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, broken mountainous; drainage, southwesterly.

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, and numerous volcanic ledges and outcrops, 4th rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

East, on a random line between secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 26, 27, 34, and 35.

Thence

N. $89^{\circ} 58'$ W., on true line between secs. 27 and 34.

Over rough, broken mountainous land, through a few widely scattered junipers, and scattered undergrowth; descend an abrupt NW. slope.

5.00 Draw, 60 ft. below sec. cor., drains SW.; ascend a steep SE. slope.

8.20 Spur, 30 ft. above draw, projects SW.; descend a steep NW. slope.

15.30 Draw, 80 ft. below spur, drains S. 10° W.; ascend a steep SE. slope.

20.10 Spur, 80 ft. above draw, projects S. 20° W.; descend a steep NW. slope.

26.90 Old road, bears N. 20° E. and S.; descend a gradual rolling NW. slope.

32.30 Draw, 100 ft. below spur, drains S. 30° E.; ascend a steep NE. slope.

39.98 On a steep NE. slope, 90 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, to solid rock, with a volcanic stone, 4x3x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S27
S34

1936

SUBDIVISION OF T. 15 S., R. 11 W.

Chains	
53.00	Spur, 140 ft. above $\frac{1}{4}$ sec. cor., projects S. 80° E.; descend a steep SW. slope.
58.50	Draw, 110 ft. below spur, drains SE., heads about 5.00 chs. dist. NW.; ascend an abrupt NE. slope.
65.00	Ridge, 170 ft. above draw; top of volcanic ledge, 110 ft. high, bears N. 30° E. and S. 30° W.; descend an abrupt NW. slope over ledges.
66.30	Foot of ledge, bears NE. and SW.
79.96	The cor. of secs. 27, 28, 33, and 34, 420 ft. below ridge.
	Land, rough, broken mountainous; drainage, southwesterly on the E. portion of the mile, and southeasterly on the W. portion of the mile.
	Soil, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, and with numerous volcanic ledges and outcroppings, 4th rate.
	Timber, a few widely scattered junipers.
	Undergrowth, scattered kerosene brush, shadscale, yellow-top and sage. A scattered growth of grass.
	Good winter grazing land.
	<hr/>
	N. 0° 02' W., between secs. 27 and 28.
	Over mountainous land, through medium dense undergrowth; descend a gradual NW. slope.
2.70	Draw, 20 ft. below sec. cor., drains S. 80° W.; ascend a gradual S. slope.
4.50	Point of spur, 40 ft. above draw, slopes W.; descend a gradual N. slope.
11.20	Enter draw, 50 ft. below point of spur, bears NE. and SW., thence across draw.
16.10	Wash, 100 lks. wide, 1 ft. deep, on N. side of draw, drains SW.; ascend a gradual SE. slope.
25.00	Spur, 70 ft. above wash, projects SW.; descend a gradual rocky NW. slope.
33.80	Draw, 40 ft. below spur, drains W. about 3.00 chs. dist., thence SW.; ascend a steep S. slope.
35.00	Point of spur, 20 ft. above draw, slopes W.; descend a steep N. slope.
36.00	Draw, 10 ft. below point of spur, drains SW.; ascend a steep SE. slope.
40.00	On a steep SE. slope, 10 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid rock, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

†

S28 | S27

1936

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 53.70 Spur, 180 ft. above $\frac{1}{4}$ sec. cor., projects SW.; descend a steep rocky NW. slope.
- 60.10 Draw, 100 ft. below spur, drains W., heads about 5.00 chs dist. E.; ascend a steep rocky SE. slope.
- 64.00 Spur, 70 ft. above draw, projects SW.; descend a steep NW slope.
- 65.20 Draw, 40 ft. below spur, drains SW., heads about 4.00 chs NE.; ascend a steep SE. slope.
- 73.50 Spur, 120 ft. above draw, projects SW.; descend a steep rocky NW. slope.
- 80.00 On a steep rocky NW. slope, 110 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock, with a volcanic stone, 9x4x3 ins., marked X, deposited alongside, and in a mound of stone, 5 ft. base, to top, for cor. of secs. 21, 22, 27, and 28, with brass cap marked.

T15S	R11W
S21	S22
S28	S27

1936

Land, broken mountainous; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, sage and yellowtop. A scattered growth of grass.

Good winter grazing land.

S. 89° 58' E., on a random line between secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 22, 23, 26, and 27.

Thence

S. 89° 59' W., on true line between secs. 22 and 27.

Over broken mountainous land, through a few widely scattered junipers, and scattered undergrowth; ascend a steep E. slope along spur.

10.30 Leave spur turns S. 20° W., 160 ft. above sec. cor.; descend a steep NW. slope.

15.80 Draw, 50 ft. below spur, drains N. 20° E.; ascend a steep E. slope.

35.90 Ridge, 510 ft. above draw, bears N. and S.; descend an abrupt W. slope.

39.99 On an abrupt W. slope, 120 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

ground to solid rock, with a volcanic stone, 5x5x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{S22}{S27}$

1936

- 47.90 Top of ledge, 58 ft. high, bears N. and S.
- 56.30 Draw, 480 ft. below $\frac{1}{4}$ sec. cor., drains NW.; ascend a steep E. slope.
- 63.70 Spur, 30 ft. above draw, projects N. about 2.00 chs. dist.; descend a steep W. slope.
- 68.80 Draw, 120 ft. below spur, drains N.; ascend a steep E. slope.
- 72.40 Spur, 80 ft. above draw, projects NW.; descend a steep SW. slope.
- 78.80 Draw, 120 ft. below spur, drains N. 70° W.; descend gradually along a steep NW. slope.
- 79.98 The cor. of secs. 21, 22, 27, and 28, 10 ft. below draw.
- Land, broken mountainous; drainage, northeasterly on the E. portion, and northwesterly on the W. portion of the mile.
- Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, and with numerous volcanic ledges and outcroppings, 4th rate.
- Timber, a few widely scattered junipers.
- Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.
- Good winter grazing land.
-
- N. 0° 02' W., between secs. 21 and 22.
- Over broken mountainous land, through scattered undergrowth; descend a steep NW. slope.
- .50 Draw, 10 ft. below sec. cor., drains W.; ascend a steep, rocky S. slope.
- 6.80 Spur, 70 ft. above draw, projects W.; descend a steep N. slope.
- 15.40 Draw, 70 ft. below spur, drains W. about 4.00 chs. dist., thence SW.; ascend a steep SE. slope.
- 27.90 Spur, 120 ft. above draw, projects SW.; descend a steep NW. slope.
- 32.30 Draw, 90 ft. below spur, drains SW.; ascend a gradual SE. slope.
- 38.30 Spur, 60 ft. above draw, projects SW. about 5.00 chs. dist.; descend a gradual NW. slope.
- 40.00 On a gradual NW. slope, 10 ft. below spur.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, with a volcanic stone, 8x8x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S21 | S22

1936

41.70 Draw, 20 ft. below $\frac{1}{4}$ sec. cor., drains SW.; ascend a steep rocky SE. slope.

51.30 Spur, 160 ft. above draw, projects SW.; descend a steep NW. slope.

56.50 Draw, 80 ft. below spur, drains S. 80° W.; ascend a gradual S. slope.

60.30 Spur, 20 ft. above draw, projects W.; descend a steep N. slope.

64.40 Draw, 100 ft. below spur, drains W.; ascend a steep SE. slope.

68.00 Spur, 30 ft. above draw, projects S. 70° W.; descend a gradual NW. slope.

72.20 Draw, 20 ft. below spur, drains SW.; ascend a steep SE. slope.

80.00 On a steep, rocky SE. slope, 120 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, with a volcanic stone, 8x6x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for cor. of secs. 15, 16, 21, and 22, with brass cap marked.

T15S	R11W
S16	S15
S21	S22

1936

Land, broken mountainous; drainage, southwesterly.

Soil, shallow, rocky, coarse sandy clay loam, underlaid with a volcanic formation, with a rocky surface, 4th rate

No timber.

Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop, and mountain-rush. A scattered growth of grass

Good winter grazing land.

N. 89° 59' E., on a random line between secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence

S. 89° 56' W., on true line between secs. 15 and 22.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Over broken mountainous land, through a few widely scattered junipers, and scattered undergrowth; ascend a steep SE. slope.

5.90 Spur, 70 ft. above sec. cor., projects NE.; ascend along a steep N. slope.

16.30 Top of ascent, 40 ft. above spur, slopes N.; descend a steep, rocky NW. slope.

33.00 Draw, 180 ft. below top of ascent, drains NE.; ascend a steep, rocky E. slope.

40.05 On a steep, rocky E. slope, 110 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid rock, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{S15}{S22}$

1936

54.50 Ridge, 220 ft. above $\frac{1}{4}$ sec. cor., bears N. about 12.00 chs. dist., thence NW. and S. about 10.00 chs. dist., thence SE.; descend a steep, rocky SW. slope broken by small volcanic ledges and outcroppings.

69.70 Draw, 370 ft. below ridge, drains SW.; ascend a steep SE. slope.

76.80 Spur, 70 ft. above draw, projects S. 10° W.; descend a gradual NW. slope.

79.50 Small draw, 20 ft. below spur, drains S. 10° W.; ascend a steep SE. slope.

80.06 The cor. of secs. 15, 16, 21, and 22, 20 ft. above draw.

Land, broken mountainous; drainage, northeasterly on the E. portion of the mile, and southwesterly on the W. portion of the mile.

Soil, shallow, rocky, coarse sandy clay loam, underlaid with a volcanic formation, with a rocky surface, and with numerous small volcanic ledges and outcroppings, 4th rate.

Timber, a few widely scattered scrub junipers.

Undergrowth, scattered kerosene brush, shadscale, sage and yellowtop. A scattered growth of grass.

Good winter grazing land.

N. 0° 02' W., between secs. 15 and 16.

Over broken mountainous land, through a few widely scattered junipers, and scattered undergrowth; ascend a steep, rocky SE. slope.

6.30 Spur, 180 ft. above sec. cor., projects SW.; descend a NW. slope, broken by volcanic ledges.

18.00 Head of draw, 60 ft. below spur, drains SW.; ascend a steep SW. slope.

21.20 Ridge, 40 ft. above head of draw, bears NW. and SE.; descend a steep broken NE. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

36.80 Draw, 160 ft. below ridge, drains E.; ascend a steep S. slope.

40.00 On a steep S. slope, 20 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 10x6x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S16 | S15
 1936

49.70 Spur, 120 ft. above $\frac{1}{4}$ sec. cor., projects N. 80° E.; descend a steep NW. slope.

59.20 Draw, 150 ft. below spur, drains N. 60° E.; ascend a steep SE. slope.

73.80 Spur, 140 ft. above draw, projects N. 70° E.; descend a steep, rocky NW. slope.

76.40 Slope changes to NE.

80.00 On a steep NE. slope, 90 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 8x6x3 ins., marked X, deposited alongside, and in a mound of stone, 6 ft. base, to top, for cor. of secs. 9, 10, 15, and 16, with brass cap marked.

T15S | R11W
 S 9 | S10
 S16 | S15

1936

Land, broken mountainous; drainage, southwesterly on the S. portion of the mile, and northeasterly on the N. portion of the mile.

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, and with numerous volcanic ledges and outcroppings, 4th rate.

Timber, a few scattered junipers.

Undergrowth, scattered karesene brush, shadsale, sage and yellowtop. A scattered growth of grass.

Good winter grazing land.

N. 89° 56' E., on a random line between secs. 10 and 15.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.14 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 10, 11, 14, and 15.

Thence

S. 89° 57' W., on true line between secs. 10 and 15.

Over rolling desert land, through medium dense undergrowth; ascend a gentle rolling E. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains	
13.20	Wash, 15 lks. wide, 2 ft. deep, drains S. 60° E.
40.07	On a gentle E. slope, 70 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 4x4x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{r} \frac{1}{4} \frac{S10}{S15} \end{array}$
	1936
44.60	Wash, 15 lks. wide, 2 ft. deep, drains NE.
47.90	Old road, bears N. 20° W. and S. 20° E.
52.50	Leave rolling desert land; enter mountainous land, bears N. and S.; ascend a steep SE. slope.
65.10	Spur, 160 ft. above $\frac{1}{4}$ sec. cor., projects NE.; descend a gradual NW. slope.
69.70	Draw, near head, 40 ft. below spur, drains NE.; ascend a steep NE. slope.
80.14	The cor. of secs. 9, 10, 15, and 16, 120 ft. above draw. Land, rolling desert on the E. portion of the mile, and mountainous on the W. portion of the mile; drainage, southeasterly on the E. portion of the mile, and northeasterly on the W. portion of the mile. Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate. Timber, a few widely scattered junipers on the extreme W. portion of the mile, no timber on the E. portion of the mile. Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop and sage. A scattered growth of grass. Good winter grazing land.
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	N. 0° 02' W., between secs. 9 and 10. Over mountainous land, through a few widely scattered junipers, and medium dense undergrowth; descend a steep NE. slope.
7.70	Draw, 140 ft. below sec. cor., drains N. 70° E.; ascend a gradual SE. slope.
11.50	Spur, 40 ft. above draw, projects N. 70° E.; descend a steep NW. slope.
14.20	Draw, 70 ft. below spur, drains N. 70° E.; ascend a gradual SE. slope.
18.10	Spur, 40 ft. above draw, projects E.; descend a gradual NE. slope, 70 ft. to.
24.80	Ridge, bears N. 60° E. and S. 60° W.; descend a gradual NW. slope.
29.90	Head of small draw, 50 ft. below ridge, drains N. 10° W.; leave mountainous land; enter rolling desert land, leave

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

timber, bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a volcanic stone, 12x10x4 ins. marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S 9 | S10
1936

73.00 Small draw, 70 ft. below $\frac{1}{4}$ sec. cor., drains NW.

77.00 Wash, 20 lks. wide, 2 ft. deep, drains W.; ascend a gentle S. slope, 10 ft. to.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 3, 4, 9; and 10, with brass cap marked.

T15S | R11W
S 4 | S 3
S 9 | S10
1936

raise a mound of stone, 4 ft. base, 3 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous on the S. portion of the mile, and rolling desert on the N. portion of the mile; drainage, easterly on the S. portion of the mile, and northwesterly on the N. portion of the mile.

Soil, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 3rd rate.

Timber, a few widely scattered junipers on the S. portion of the mile, no timber on the N. portion of the mile.

Undergrowth, medium dense kerosene brush, and scattered shadscale, sage and yellowtop. A scattered growth of grass

Good winter grazing land.

N. 89° 57' E., on a random line between secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 2, 3, 10, and 11.

Thence

S. 89° 56' W., on true line. between secs. 3 and 10.

Over rolling desert land, through medium dense undergrowth.

40.08 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ S 3
S10
1936

raise a mound of stone, 4 ft. base, 3 $\frac{1}{2}$ ft. high, N. of cor.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 40.30 Old road, bears N. 10° E. and S. 10° W.
- 45.30 Wash, 10 lks. wide, 1 ft. deep, drains SE.
- 47.10 Rise, 10 ft. above $\frac{1}{4}$ sec. cor., bears N. and S. 30° W.; descend a gentle NW. slope.
- 50.20 Head of small draw, 10 ft. below rise, drains N. 60° W.; old road, bears N. 60° W. and S. 60° E.; ascend a gentle NE. slope.
- 62.20 Top of low ascent, 10 ft. above head of draw, bears N. 70° W. and S. 70° E.; descend a gentle SW. slope.
- 80.16 The cor. of secs. 3, 4, 9, and 10, 50 ft. below top of ascent.
- Land, rolling desert; drainage, southeasterly on the E. portion of the mile, and northwesterly on the W. portion of the mile.
- Soil, coarse sandy clay loam, with scattered rocks on the surface, 3rd rate.
- No timber.
- Undergrowth, medium dense kerosene brush, and scattered shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.
- Good winter grazing land.
-
- N. 0° 15' W., on a random line between secs. 3 and 4.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 82.20 Intersect the N. bdy. of the Tp., 19 lks. W. of the cor., of secs. 3, 4, 33, and 34, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
- Thence
- S. 0° 07' E., on true line between secs. 3 and 4.
- Over rolling hills, through medium dense undergrowth; descend a gradual SE. slope.
- 3.40 Draw, 10 ft. below sec. cor., drains SW.; ascend a gradual NW. slope.
- 17.40 Spur, 30 ft. above draw, projects SW.; descend a gradual SE. slope.
- 21.60 Draw, 30 ft. below spur, drains SW.; ascend a gradual NW. slope.
- 26.20 Spur, 20 ft. above draw, projects SW.; descend a gradual SE. slope.
- 28.60 Draw, 20 ft. below spur, drains W.; ascend a gradual N. slope.
- 30.50 Spur, 20 ft. above draw, projects W.; descend a gradual S. slope.
- 35.20 Draw, 20 ft. below spur, drains W.; ascend a gradual NW. slope; leave hills; enter rolling desert land, bears E. and W.

SURVEILSION OF T. 15 S., R. 11 W.

Chains

40.80 Old road, bears N. 88° E. and S. 88° W.

42.20 On a gradual NW. slope, 20 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, with a volcanic stone, 10x6x4 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S 4 | S 3

1936

59.90 Spur, 60 ft. above $\frac{1}{4}$ sec. cor., projects S. 75° W.; descend a gradual SE. slope.

68.70 Draw, 30 ft. below spur, drains S. 80° W.; ascend a gradual N. slope.

72.70 Spur, 30 ft. above draw, projects W.; descend a gradual S. slope.

76.40 Head of small draw, 10 ft. below spur, drains W.; old road bears E. and N. 75° W.; ascend a gentle N. slope.

79.20 Top of ascent, 10 ft. above head of draw, slopes N. 80° W.; descend a gentle SW. slope.

82.20 The cor. of secs. 3, 4, 9, and 10, 10 ft. below top of ascent.

Land, rolling hills on the N. portion of the mile, and rolling desert on the S. portion of the mile; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, white sage, and yellowtop. A scattered growth of grass.

Good winter grazing land.

From the standard cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

N. 0° 03' W., between secs. 32 and 33.

Over rolling desert land, through medium dense undergrowth ascend a gentle S. slope.

14.70 Wash, 12 lks. wide, 1 $\frac{1}{2}$ ft. deep, drains SW.24.30 Wash, 10 lks. wide, 1 $\frac{1}{2}$ ft. deep, drains S. 70° W.

29.40 Top of ascent, 60 ft. above standard sec. cor., slopes W.; descend a gentle N. slope. 10 ft. to

31.30 Wash, 30 links wide, 2 ft. deep, drains SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

S32 | S33

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of cor.

50.30 Old road, bears N. 20° W. and S. 20° E.

53.90 Wash, 40 lks. wide, 3 ft. deep drains S. 60° W.

77.60 Wash, 10 lks. wide, 1 ft. deep, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, and in a mound of stone, to top, for cor. of secs. 28, 29, 32, and 33, with brass cap marked.

T15S	R11W
S29	S28
S32	S33

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, rolling desert; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

East, on a random line between secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 27, 28, 33, and 34.

Thence

N. 89° 58' W., on true line between secs. 28 and 33.

Over rolling hills, through medium dense undergrowth; descend a gradual NW. slope.

10.70 Draw, 80 ft. below sec. cor., drains N. 60° W.; ascend a gentle E. slope.

15.60 Point of spur, 10 ft. above draw, slopes N.; descend a gentle W. slope.

21.20 Draw, 30 ft. below point of spur, drains SW.; ascend a gradual SE. slope.

30.60 Spur, 40 ft. above draw, projects S. 30° W.; descend a steep NW. slope.

40.00 On a steep NW. slope, 130 ft. below spur.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{S28}{S33}$

1936

raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

44.50 Wash, 40 lks. wide, 2 ft. deep, 10 ft. below $\frac{1}{4}$ sec. cor., drains SW.; leave rolling hills; enter rolling desert land, bears N. 20° W. and S. 20° E.

78.70 Wash, 12 lks. wide, 1 ft. deep, drains SW.

80.00 The cor. of secs. 28, 29, 32, and 33, 80 ft. below $\frac{1}{4}$ sec. cor.

Land, rolling hills on the E. portion of the mile, and rolling desert land on the W. portion of the mile; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° 03' W., between secs. 28 and 29.

Over rolling desert land, through medium dense undergrowth

3.10 Wash, 60 lks. wide, 5 ft. deep, drains W.

17.20 Old road, bears N. 80° W. and S. 70° E.

17.60 Wash, 14 lks. wide, 3 $\frac{1}{2}$ ft. deep, drains W.; ascend a gradual S. slope.

21.00 Spur, 60 ft. above sec. cor., projects N. 80° W.; descend a gradual NE. slope.

27.30 Wash, 20 lks. wide, 1 $\frac{1}{2}$ ft. deep, drains W.

30.00 Wash, 50 lks. wide, 1 $\frac{1}{2}$ ft. deep, 30 ft. below spur, drains S. 70° W.; ascend 40 ft. to.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a volcanic stone, 5x4x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S29 | S28

1936

Leave rolling desert land; enter rolling hills, bears NE. and SW.; ascend a steep SE. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

57.90 Spur, 160 ft. above $\frac{1}{4}$ sec. cor., projects SW.; descend a steep NW. slope.

68.26 Draw, 120 ft. below spur, drains E. 70° W.; ascend a gradual SE. slope.

71.60 Spur, 40 ft. above draw, projects S. 60° W.; descend a gradual NW. slope.

77.70 Draw, 40 ft. below spur, drains SW.; ascend a steep SE. slope.

80.00 On a steep SE. slope, 50 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, and in a mound of stone, 6 ft. base, to top, for the cor. of secs. 20; 21, 28, and 29, with brass cap marked.

T15S	R11W
S20	S21
S29	S28

1936

Land, rolling desert on the S. portion of the mile, and rolling hills on the N. portion of the mile; drainage, southwesterly.

Soil, rocky coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, mountain-rush and yellowtop. A scattered growth of grass.

Good winter grazing land.

S. 89° 58' E., on a random line between secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 21, 22, 27, and 28.

Thence

N. 89° 57' W., on true line between secs. 21 and 28.

Over rolling hills, through medium dense undergrowth; descend a gradual NW. slope.

21.70 Draw, 60 ft. below sec. cor., drains S. 10° W.; ascend a steep SE. slope.

26.40 Spur, 100 ft. above draw, projects S. 10° W.; descend a steep NW. slope.

30.50 Draw, 60 ft. below spur, drains S. 20° W.; ascend a steep SE. slope.

38.80 Spur, 180 ft. above draw, projects SW.; descend a steep NW. slope.

39.98 On a steep NW. slope, 20 ft. below spur.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a volcanic stone, 4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S21
+ S28

1936

58.50 Draw, 320 ft. below $\frac{1}{4}$ sec. cor., drains S, 20° W.; ascend a gradual E. slope.

72.10 Spur, 100 ft. above draw, projects S.; descend a steep NW. slope.

78.20 Draw, near head, 50 ft. below spur, drains SW.; ascend a steep SE. slope.

79.96 The cor. of secs. 20, 21, 28, and 29, 30 ft. above draw.

Land, rolling hills; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, mountain rush and yellowtop. A scattered growth of grass.

Good winter grazing land.

N. 0° 03' W., between secs. 20 and 21.

Over rolling hills, through medium dense undergrowth; ascend a gradual SE. slope.

.30 Spur, 5 ft. above sec. cor. projects SW.; descend a gradual NW. slope.

12.70 Wash, 40 lks. wide, 2 ft. deep, in draw, 60 ft. below spur drains SW.; ascend a gradual SE. slope.

15.40 Old road, bears NE. and SW.

21.90 Spur, 30 ft. above draw, projects SW.; descend a gradual NW. slope.

27.10 Wash, 50 lks. wide, 4 ft. deep, in draw, 10 ft. below spur drains SW.; ascend a gradual SE. slope.

36.70 Point of spur, 50 ft. above draw, slopes SW.; descend a gradual NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 5x4x2 $\frac{1}{2}$ ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

+
S20 | S21

1936

48.50 Draw, 20 ft. below $\frac{1}{4}$ sec. cor., drains S. 15° W.; ascend a steep S. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

- Chains**
 60.60 Spur, 140 ft. above draw, projects E.; descend a steep N. slope.
 65.20 Draw, near head, 50 ft. below spur, drains E.; ascend a steep S. slope.
 69.40 Spur, 70 ft. above draw, projects E.; descend a steep N. slope.
 71.50 Draw, 30 ft. below spur, drains E.; ascend a steep SE. slope.
 80.00 On spur, 140 ft. above draw, projects SW.
 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock, with a volcanic stone, 5x5x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for cor. of secs. 16, 17, 20, and 21, with brass cap marked.

T15S	R11W
S17	S16
S20	S21

1936

Land, rolling hills; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, yellow-top and mountain-rush. A scattered growth of grass.

Good winter grazing land.

S. 89° 57' E., on a random line between secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 15, 16, 21, and 22.

Thence

N. 89° 56' W., on true line between secs. 16 and 21.

Over rolling hills, through medium dense undergrowth; ascend a steep SE. slope.

3.30 Spur, 30 ft. above sec. cor., projects SW.; descend a steep NW. slope.

11.80 Draw, 160 ft. below spur, drains SW.; ascend a gradual SE. slope.

17.40 Spur, 50 ft. above draw, projects SW.; descend a steep NW. slope.

24.10 Draw, 120 ft. below spur, drains SW.; ascend a gradual SE. slope.

28.00 Spur, 20 ft. above draw, projects SW.; descend a steep NW. slope.

32.00 Draw, 40 ft. below spur, drains S. 25° W.; ascend a gradual SE. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

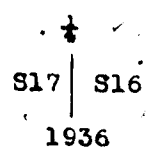
- 36.80 Spur, 40 ft. above draw, projects S. 20° W.; descend a steep NW. slope.
- 39.96 On a steep NW. slope, 30 ft. below spur.
Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 6x4x4 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\frac{S16}{\frac{1}{4} S21}$$

1936
- 41.00 Draw, 10 ft. below $\frac{1}{4}$ sec. cor., drains S. 10° W.; ascend a gradual SE. slope.
- 46.20 Spur, 70 ft. above draw, projects S. 10° W.; descend a gradual NW. slope.
- 55.70 Draw, 90 ft. below spur, drains S. 30° W.; ascend a gradual E. slope.
- 65.20 Spur, 120 ft. above draw, projects S.; descend a steep W. slope.
- 69.30 Draw, 80 ft. below spur, drains S.; ascend a steep SE. slope.
- 79.92 The cor. of secs. 16, 17, 20, and 21, 210 ft. above draw.
Land, rolling hills; drainage, southwesterly.
Soil, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 3rd rate.
No timber.
Undergrowth, scattered kerosene brush, sage, shadscale, mountain-rush and yellowtop. A scattered growth of grass.
Good winter grazing land.
-
- N. 0° 03' W., between secs. 16 and 17.
Over rolling hills, through medium dense undergrowth; descend a steep NW. slope.
- 8.20 Draw, near head, 140 ft. below spur, drains W.; ascend a steep S. slope.
- 10.90 Spur, 60 ft. above draw, projects W.; descend a gradual N. slope.
- 20.10 Draw, 70 ft. below spur, drains W.; ascend a steep S. slope.
- 25.30 Spur, 80 ft. above draw, projects SW.; descend a gradual NW. slope.
- 29.80 Draw, 10 ft. below spur, drains S. 70° W.; ascend a steep SE. slope.
- 34.30 Spur, 90 ft. above draw, projects W.; descend a gradual N. slope.
- 40.00 On a gradual N. slope, 10 ft. below spur.

SUBDIVISION OF T. 15 S., R. 11 W.

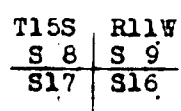
Chains

Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock, with a volcanic stone, 5x4x2 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for 1/4 sec. cor., with brass cap marked.



- 41.60 Draw, 30 ft. below 1/4 sec. cor., drains W.; ascend a gradual S. slope.
- 46.00 Spur, 20 ft. above draw, projects W.; descend a steep N. slope.
- 50.90 Draw, 70 ft. below spur, drains N. 80° W.; ascend a gradual SW. slope.
- 59.40 Spur, 30 ft. above draw, projects N. 60° W.; descend a steep NE. slope.
- 69.10 Draw, 150 ft. below spur, drains NW.; ascend a gradual SW. slope.
- 73.40 Spur, 40 ft. above draw, projects N. 80° W.; descend a gradual NE. slope.
- 79.30 Draw, 50 ft. below spur, drains S. 70° W.; ascend a gradual SE. slope.
- 80.00 On a gradual SE. slope, 10 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, and in a mound of stone, to top, for cor. of secs. 8, 9, 16, and 17, with brass cap marked.



1936

raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, rolling hills; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, sage, mountain-rush and yellowtop. A scattered growth of grass.

Good winter grazing land.

S. 89° 56' E., on a random line between secs. 9 and 16.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 9, 10, 15, and 16.

Thence

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

N. 89° 55' W., on a true line between sec. 9 and 16.

Over mountainous land, a few widely scattered junipers, and scattered undergrowth; ascend a steep NE. slope.

- 1.00 Spur, 20 ft. above sec. cor., projects N. 10° W.; descend a steep W. slope.
- 13.80 Draw, 80 ft. below spur, drains N. 60° E.; ascend a steep E. slope.
- 31.10 Ridge, broken by volcanic ledges, 300 ft. above draw, bears N. and S.; descend a steep W. slope.
- 39.96 True point for $\frac{1}{4}$ sec. cor., falls in draw, 200 ft. below ridge, drains SW., impracticable to set cor.; ascend a gradual SE. slope.
- 40.38 On a gradual SE. slope, 10 ft. above draw.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, and in a mound of stone, to top, for witness $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ S 9
S 16 WC

1936

raise a mound of stone, 3 ft. base, 3 ft. high; N. of cor.

- 42.90 Spur, 20 ft. above witness $\frac{1}{4}$ sec. cor., projects S. 80° W.; descend a steep NW. slope.
- 65.00 Wash, 10 lks. wide, 2 ft. deep, in draw, 290 ft. below spur, drains N. 80° W., from N. 85° E., thence along draw.
- 70.00 Same wash, 10 lks. wide, 2 ft. deep, drains S. 80° W.
- 75.50 Same wash, 10 lks. wide, 2 ft. deep, drains N. 70° W.
- 77.80 Same wash, 10 lks. wide, 2 ft. deep, drains S. 70° W.; ascend a gradual SE. slope.
- 79.92 The cor. of secs. 8, 9, 16, and 17, 5 ft. above wash. and mountains;
Land, rolling hills, drainage, northeasterly on the E. portion of the mile, and southwesterly on the W. portion of the mile.

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 4th rate.

Timber, a few widely scattered junipers.

Undergrowth, scattered kerosene brush, shadscale, sage, mountain-rush and yellowtop. A scattered growth of grass.

Good winter grazing land.

N. 0° 03' W., between sec. 8 and 9.

Over rolling hills, through scattered undergrowth; ascend a gradual SE. slope.

- 8.70 Spur, 50 ft. above sec. cor., projects N. 70° W.; descend a gradual NE. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- 13.10 Wash, 20 lks. wide, 1 ft. deep, drains NW.
- 21.10 Draw, 80 ft. below spur, drains SW.; ascend a gradual SE. slope.
- 28.10 Spur, 80 ft. above draw, projects SW.; descend a gradual NW. slope.
- 33.70 Draw, 30 ft. below spur, drains SW.; ascend a gradual SE. slope.
- 39.20 Spur, 90 ft. above draw, projects SW.; descend a gradual NW. slope.
- 40.00 On a gradual NW. slope, 10 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, with a volcanic stone, 4x3x2 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S 8	S 9
-----	-----

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, W. of cor.

- 48.90 Saddle in ridge, 80 ft. below spur, bearing N. 30° W. and S. 20° E.; descend along a gradual E. slope.
- 54.00 Same ridge, bears N. 30° E. and S. 30° W.; descend a steep NW. slope.
- 62.50 Draw, 130 ft. below ridge, drains S. 20° W.; ascend a steep SE. slope.
- 70.00 Top of peak on ridge, 190 ft. above draw, bears N. 20° W. and S. 30° E.; spur projects W.; descend a steep NE. slope.
- 80.00 On a steep NE. slope, 160 ft. below peak.

Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the ground to solid rock, with a volcanic stone, 7x5x4 ins., marked X, deposited at the base, and in a mound of stone, 4 ft. base, to top, for cor. of secs. 4, 5, 8, and 9, with brass cap marked.

T15S	R11W
S 5	S 4
S 8	S 9

1936

from which
A scrub juniper limb, 3 ins. diam., bears S. 73° 15' W., 64 lks. dist., marked BT.

A scrub juniper, 15 ins. diam., bears N. 45° 30' W., 39 lks. dist., marked T15SR11WS5 BT.

No bearing trees available in secs. 4 and 9.
and rolling hills;
Land, mountainous/ drainage, southwesterly.

Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, and with numerous small volcanic ledges and outcroppings, 4th rate.

SUBDIVISION OF T. 15 N., R. 11 W.

Chains	
	Timber, a few widely scattered scrub junipers on the extreme N. portion of the mile.
	Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.
	Good winter grazing land.
	S. 89° 55' E., on a random line between secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9, and 10.
	Thence
	N. 89° 53' W., on true line between secs. 4 and 9.
	Over rolling land, through medium dense undergrowth; ascend a gradual E. slope.
6.50	Top of knoll, about 10 chs. long, and 5.00 chs. wide, 50 ft. above sec. cor.; descend a gradual W. slope.
12.30	Wash, 20 lks. wide, 1 ft. deep, 60 ft. below knoll, drains N. 80° W.
19.00	Wash, 20 lks. wide, 2 ft. deep, drains NW.; ascend a gradual E. slope.
21.50	Top of ascent, 30 ft. above wash, slopes N.; descend a gradual W. slope.
33.50	Wash, 10 lks. wide, 1 ft. deep, 30 ft. below top of ascent, drains N.; ascend a gentle NE. slope.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 6x4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 4 \\ \frac{1}{4} \quad S\ 9 \end{array}$
	1936
64.20	Top of ascent, 60 ft. above $\frac{1}{4}$ sec. cor., slopes NW.; descend a gentle SW. slope.
67.90	Old road, bears N. and S.
70.20	Wash, 12 lks. wide, 1 ft. deep, drains NW.; leave rolling land; enter mountainous land, bears NW. and SE.; ascend a gradual NE. slope.
79.98	The cor. of secs. 4, 5, 8, and 9, 40 ft. above wash.
	Land, rolling land on the E. 70.20 chs., and mountainous on the remainder of the mile; drainage, northwesterly.
	Soil, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 3rd rate.
	No timber.
	Undergrowth, medium dense kerosene brush, and scattered yellowtop, sage, and mountain-rush. A scattered growth of grass.

... SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Good winter grazing land.

N. 0° 07' W., on a random line between secs. 4 and 5.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

82.06 Intersect the N. bdy. of the Tp., 7 lks. E. of the cor. of secs. 4, 5, 32, and 33, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

Thence

S. 0° 10' E., on true line between secs. 4 and 5.

Over rolling land, through medium dense undergrowth.

9.10 Wash, 50 lks. wide, 3 ft. deep, drains W.

20.20 Wash, .12 lks. wide, 1 ft. deep, drains N. 60° W.

40.10 Low rise, 30 ft. above wash, bears N. 80° E. and S. 80° W.; descend a gradual S. slope.

42.06 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock, with a volcanic stone, 6x4x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S 5 | S 4
 1936

55.00 Wash, 50 lks. wide, 2 ft. deep, drains S. 80° W.

55.40 Old road, bears E. and W.

66.80 Wash, 30 lks. wide, 3 ft. deep, drains W.

69.60 Old road, bears N. 80° W. and S. 80° E.

72.10 Leave rolling land; enter mountainous land, bears N. 70° W. and S. 50° E.; ascend a gradual NE. slope.

82.06 The cor. of secs. 4, 5, 8, and 9, 90 ft. above wash.

Land, rolling on the N. 72.10 chs., and mountainous on the remainder of the mile; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, underlaid with a volcanic formation, 3rd rate.

Timber, a few widely scattered scrub junipers on the extreme S. portion of the mile.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

SUBDIVISION OF T. 14 S., R. 11 W.

Chains

From the standard cor. of sec. 31, north 32. 31, and 32, at the E. bdy. of the Tp., which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

N. 0° 03' W., between secs. 31 and 32.

Over rolling desert land, through medium dense undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ ✓

S31 | S32

1936

raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

46.40 Wash, 20 lks. wide, 3 ft. deep, drains SW.

54.50 Wash, 15 lks. wide, 1 ft. deep, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 29, 30, 31, and 32, with brass cap marked.

T15S	R11W
S30	S29
S31	S32

1936

raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 2nd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

East, on a random line between secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect the cor. of secs. 28, 29, 32, and 33.

Thence,

West, on true line between secs. 29 and 32.

Over rolling desert land, through medium dense undergrowth.

11.20 Road, bears N. 15° E. and S. 15° E.

20.90 Wash, 10 lks. wide, 1 ft. deep, drains S. 65° W.

38.70 Wash, 15 lks. wide, 2 ft. deep, drains S. 60° W.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains
40.01

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

+ $\frac{S29}{S32}$

1936

raise a mound
of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, N. of cor.

41.90 Wash, 10 lks. wide, 1 ft. deep, drains SW.

80.02 The cor. of secs. 29, 30, 31, and 32.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, sage and yellowtop. A scattered growth of grass.

Good winter grazing land.

West, on a random line between secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect the W. bdy. of the Tp., 5 lks. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described.

Thence

S. $89^{\circ} 58'$ E., on true line between secs. 30 and 31.

Over rolling desert land, through medium dense undergrowth.

39.94 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

+ $\frac{S30}{S31}$

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, N. of cor.

78.00 Wash, 50 lks. wide, 4 ft. deep, drains SW., from N.

79.94 The cor. of secs. 29, 30, 31, and 32.

Land, rolling desert; drainage, southwesterly.

Soil, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

SUBDIVISION OF T. 18 N. R. 11 W.

Chains	N. 0° 03' W., between sects. 29 and 30, and sec. 30 and 31, on the N. line of sec. 30, 10.00						
11.90	Over rolling desert land, through medium dense undergrowth. Wash, 25 lks. wide, 3 ft. deep, drains SW.						
22.90	Road, bears N. 75° E. and S. 75° W.						
27.00	Wash, 10 lks. wide, 1 ft. deep, drains S. 75° W.; leave rolling land; enter rolling hills, bears N. 70° E. and S. 70° W.; ascend a steep, rocky SE. slope.						
39.00	Spur, 100 ft. above sec. cor., projects SW.; descend a gradual NW. slope.						
40.00	On a gradual NW. slope, 10 ft. below spur. Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, with a volcanic stone, 6x4x4 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	<table border="1"> <tr> <td>S30</td><td>S29</td></tr> </table> <p>1936</p>	S30	S29				
S30	S29						
62.10	Leave rolling hills; enter rolling desert land, 120 ft. below $\frac{1}{4}$ sec. cor., bears N. 70° E. and S. 70° W.						
74.20	Wash, 10 lks. wide, 1 ft. deep, drains SW.						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, with brass cap marked.						
	<table border="1"> <tr> <td>T15S</td><td>R11W</td></tr> <tr> <td>S19</td><td>S20</td></tr> <tr> <td>S30</td><td>S29</td></tr> </table> <p>1936</p>	T15S	R11W	S19	S20	S30	S29
T15S	R11W						
S19	S20						
S30	S29						
	<p>of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, rolling desert on the N. and S. portions of the mile, and rolling hills on the central portion of the mile; drainage, southwesterly.</p> <p>Soil, rocky, coarse sandy clay-loam, with a rocky surface, 3rd rate.</p> <p>No timber.</p> <p>Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, sage, and mountain-rush. A scattered growth of grass.</p> <p>Good winter grazing land.</p>						
40.00	East, on a random line between secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.						
79.98	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 20, 21, 28, and 29.						

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Thence

S. 89° 57' W., on true line between secs. 20 and 29.

Over rolling hills, through medium dense undergrowth; ascend a gradual SE. slope.

.30 Spur, 5 ft. above sec. cor., projects SW.; descend a gradual NW. slope.

16.40 Old road, bears NE. and SW.

17.70 Draw, 70 ft. below spur, drains SW.; ascend a gradual SE. slope.

21.20 Spur, 30 ft. above draw, projects SW.; descend a gradual NW. slope.

29.90 Draw, 50 ft. below spur, drains SW.; ascend a steep SE. slope.

37.90 Spur, 120 ft. above draw, projects SW.; descend a steep NW. slope.

39.99 On a steep NW. slope, 10 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, and in a mound of stone, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.
$$\begin{array}{r} S20 \\ + S29 \\ \hline \end{array}$$

1936

raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

54.60 Draw, 230 ft. below $\frac{1}{4}$ sec. cor., drains NW.; leave rolling hills; enter rolling desert land, bears N. 10° E. and SW.

70.60 Wash, 20 lks. wide, 1 ft. deep, drains SW.

79.98 The cor. of secs. 19, 20, 29, and 30, 50 ft. below foot of hills.

Land, rolling hills on the E. portion of the mile, and rolling desert land on the W. portion of the mile; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with scattered rocks on the surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop and mountain rush. A scattered growth of grass.

Good winter grazing land.

N. 89° 58' W., on a random line between secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.82 Intersect the W. bdy. of the Tp., at the cor. of secs. 19, 24, 25, and 30, heretofore described.

Thence

SUBDIVISION OF LANDS, E. 11 N.

Chains		angle
	S. 89° 58' E., on true line between secs. 19 and 30.	00.00
	Over rolling desert land, through medium dense undergrowth.	
18.30	Foot of spur, 20 ft. above sec. cor., between NE. and SW.; road, bears N. 20° W. and S. 30° E.; ascend a gradual NW. slope.	
26.20	Spur, 100 ft. above foot of spur, projects NW. and descend a gradual SE. slope.	00.00
39.82	At foot of spur, 70 ft. below spur, bears N. 60° E. and S. 60° W.	00.00
	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock, with a volcanic stone, 4x3x2 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked	00.00
	$\frac{1}{4}$ ✓	00.00
	S19	00.00
	S30	00.00
	1936	00.00
47.80	Old road, bears NE. and SW.	00.00
57.80	Wash, 18 lks. wide, 2 ft. deep, drains S. 60° W.	
79.82	The cor. of secs. 19, 20, 29, and 30, 40 ft. above wash.	
	Land, rolling desert; drainage, southwesterly.	
	Soil, coarse sandy clay loam, with scattered rocks on the surface, 3rd rate.	
	No timber.	
	Undergrowth, medium dense kerosene brush, and scattered shadscale and yellowtop. A scattered growth of grass.	
	Good winter grazing land.	
	N. 0° 03' W., between secs. 19 and 20.	
	Over rolling desert land, through medium dense undergrowth.	
11.70	Wash, 25 lks. wide, 1 ft. deep, drains SW.	
21.70	Wash, 30 lks. wide, 1 ft. deep, drains SW.; leave rolling desert land; enter rolling hills, bears NE. and SW.; ascend a gradual rocky SE. slope.	
40.00	On a gradual rocky SE. slope, 160 ft. above wash.	
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 6x6x3 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked	
	$\frac{1}{4}$ ✓	
	S19 S20	
	1936	00.00
50.80	Spur, 20 ft. above $\frac{1}{4}$ sec. cor., projects SW. and descend a gradual NW. slope.	

SUBDIVISION OF T. 15 S., R. 11 W.

Chains 67.20	Draw, 130 ft. below spur, drains NW. about 5.00 chs. dist. thence SW.; ascend along a gradual W. slope.						
80.00	On a gradual W. slope, 10 ft. above draw. Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock, with a volcanic stone, 6x6x3 ins., marked X, deposited at the base, and in a mound of stone, 5 ft. base, to top, for cor. of secs. 17, 18, 19, and 20, with brass cap marked.						
	<table> <tr> <td>T15S</td><td>R11W</td></tr> <tr> <td>S18</td><td>S17</td></tr> <tr> <td>S19</td><td>S20</td></tr> </table>	T15S	R11W	S18	S17	S19	S20
T15S	R11W						
S18	S17						
S19	S20						
	1936						
	Land, rolling desert on the S. portion of the mile, and rolling hills on the N. portion of the mile; drainage, southwesterly.						
	Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.						
	No timber.						
	Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, sage and mountain-rush. A scattered growth of grass.						
	Good winter grazing land.						
	N. 89° 57' E., on a random line between secs. 17 and 20.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.08	Intersect the cor. of secs. 16, 17, 20, and 21.						
	Thence						
	S. 89° 57' W., on true line between secs. 17 and 20.						
	Over rolling hills, broken by volcanic outcroppings, through medium dense undergrowth; descend a steep NW. slope..						
7.30	Draw, 180 ft. below sec. cor., drains NW.; ascend a steep NE. slope.						
11.30	Spur, 50 ft. above draw, projects NW.; descend a steep SW. slope.						
14.90	Draw, 90 ft. below spur, drains NW.; ascend a steep NE. slope.						
22.10	Spur, 100 ft. above draw, projects N. 70° W.; descend a gradual SW. slope.						
26.10	Head of draw, 20 ft. below spur, drains SW.; ascend a gradual SE. slope.						
28.60	Spur, 20 ft. above head of draw, projects SW.; descend a steep NW. slope.						
34.00	Draw, near head, 130 ft. below spur, drains SW.; ascend a gradual SE. slope.						
40.04	On spur, 30 ft. above draw, projects S. 20° W.						

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, with a volcanic stone, 12x6x8 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S17
S20

1936

Descend a gradual NW. slope.

47.20 Draw, 120 ft. below $\frac{1}{4}$ sec. cor., drains N. 60° W.; ascend a gradual NE. slope.

56.10 Spur, 30 ft. above draw, projects NW.; descend a gradual SW. slope.

62.60 Draw, 40 ft. below spur, drains NW.; ascend a gradual NE. slope.

76.10 Spur, 30 ft. above draw, projects N.; descend a gradual W. slope.

80.08 The cor. of secs. 17, 18, 19, and 20, 30 ft. below spur.

Land, rolling hills; drainage, northwesterly.

Soil, shallow, rocky, coarse sandy clay loam, with numerous volcanic outcroppings, underlaid with a volcanic formation, 4th rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, white sage, and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 89° 58' W., on a random line between secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.74 Intersect the W. bdy. of the Tp., 2 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.

Thence

S. 89° 57' E., on true line between secs. 18 and 19.

Over rolling desert land, through medium dense undergrowth

8.40 Wash, 30 lks. wide, 5 ft. deep, drains SW.

32.10 Road, bears N. and S.

34.00 Wash, 20 lks. wide, 4 ft. deep, drains S. 60° W.

38.70 Old road, bears N. 70° E. and S. 70° W.

39.74 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ S18
S19

1936

SUBDIVISION OF T. 15, S., R. 11 W.

Chains

raise a mound
of stone, 4 ft. base, 3 ft. high, N. of cor.

69.70 Wash, 20 lks. wide, 1 ft. deep, drains SW.

75.70 Leave rolling desert land; enter rolling hills, bears N. and S.; ascend W. slope.

79.74 The cor. of secs. 17, 18, 19, and 20, 40 ft. above $\frac{1}{4}$ sec. cor.

Land, rolling desert on the W. 75.70 chs., and rolling hills on the remainder of the mile; drainage, southwesterly.

Soil, coarse sandy clay loam, with scattered rocks on the surface, 3rd rate.

No timber.

Undergrowth, medium dense kerosene brush, and scattered shadscale, yellowtop, white sage, and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° 03' W., between secs. 17 and 18.

Over rolling hills, through medium dense undergrowth; descend a gentle W. slope.

4.50 Wash, 20 lks. wide, 1 ft. deep, 5 ft. below sec. cor., drains S. 60° W.

21.50 Wash, 30 lks. wide, 3 ft. deep, drains SW.; ascend a gradual rocky SE. slope.

27.20 Spur, 60 ft. above wash, projects S. 60° W.; ascend a gradual, rolling, rocky W. slope.

40.00 On a gradual rocky W. slope, 70 ft. above spur.

Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground to solid rock, with a volcanic stone, 8x5x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

+

S18 | S17

1936

Ascend a gradual SW. slope.

42.00 Spur, 10 ft. above $\frac{1}{4}$ sec. cor., projects NW.; descend a gradual rocky NE. slope.

52.60 Draw, 110 ft. below spur, drains N. 70° W.; ascend a gradual SW. slope.

61.80 Spur, 40 ft. above draw, projects W.; descend a gradual N. slope.

65.90 Draw, 30 ft. below spur, drains W.; ascend a gradual S. slope.

74.00 Spur, 60 ft. above draw, projects W.; descend a gradual N. slope.

SUBDIVISION OF TOLSON, R. 11 N

Chains
80.00 On a gradual N. slope, 50 ft. below spur.
Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in ground, for cor. of secs. 7, 8, 17 and 18, with brass cap marked.

T158	Rail
S 7	S 8
S18	S17

1936

of stone, 3½ ft. base, 2½ ft. high, W. of cor. raise a mound
Land, rolling hills; drainage, southwesterly.
Soil, shallow, rocky, coarse sandy clay loam, with a rocky surface, 4th rate.
No timber.
Undergrowth, medium dense kerosene brush, and scattered shadscale, white sage, yellowtop and mountain-rush. A scattered growth of grass.
Good winter grazing land.

N. 89° 57' E., on a random line between secs. 8 and 17.
40.00 Set temp. ¼ sec. cor.
80.14 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8, 9, 16 and 17.
Thence
S. 89° 55' W., on true line between secs. 8 and 17.
Over rolling hills, through scattered undergrowth; ascend a gradual SE. slope.
8.00 Wash, 10 lks. wide, 3 ft. deep, drains SW.
15.00 Spur, 30 ft. above wash, projects S. 20° W.; descend a gradual NW. slope.
33.90 Old road, bears N. 70° W. and S. 70° E.
36.50 Wash, 20 lks. wide, 2 ft. deep, in draw, 130 ft. below spur, drains NW.; ascend a gradual NE. slope.
40.07 On a gradual NE. slope, 40 ft. above draw.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, with a volcanic stone, 6x5x2 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for ¼ sec. cor., with brass cap marked.

S 8
S17

1936

41.70 Spur, 5 ft. above ¼ sec. cor., projects NW.; descend a gradual SW. slope.
49.80 Draw, 100 ft. below spur, drains NW.; ascend a gradual NE. slope.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

60.10

Spur, 40 ft. above draw, projects NW.; descend along a gradual N. slope;

80.14

The cor. of secs. 7, 8, 17 and 18, 70 ft. below spur.

Land, rolling hills; drainage, northwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 89° 57' W., on a random line between secs. 7 and 18.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

79.66

Intersect the W. bdy. of the Tp., 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, heretofore described.

Thence

S. 89° 58' E., on true line between secs. 7 and 18.

Over rolling desert land, through medium dense undergrowth.

4.80

Wash, 70 lks. wide, 2 ft. deep, drains S. 15° W.

21.50

Road; leave rolling desert land; enter rolling hills, bears N. 10° W. and S. 10° E.; ascend a gradual NW. slope.

39.66

On spur, 130 ft. above foot of hills, projects N. 10° W.;

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S. 7
+ S18

1936

raise a mound
of stone, 3 ft. base, 3 ft. high, N. of cor.

Descend a gradual NE. slope.

44.80

Draw, near head, 20 ft. below spur, drains NW.; ascend a gradual NW. slope.

52.60

Spur, 80 ft. above draw, projects SW.; descend a gradual SE. slope.

70.60

Wash, 45 lks. wide, 2 ft. deep, in draw, 60 ft. below spur, drains S. 60° W.; ascend along a gradual N. slope.

73.60

Old road, bears N. 80° E. and S. 80° W.

79.66

The cor. of secs. 7, 8, 17 and 18, 20 ft. above draw.

Land, rolling desert land on the W. portion of the mile, and rolling hills on the E. portion of the mile; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

SURVEY DIVISION GENTLE MOUNTAIN, R. 11 W.

Chains

Undergrowth, medium dense keroacene brush, and scattered shadscale, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

N. 0° 03' W., between secs. 7 and 8.

Over rolling hills, through medium dense undergrowth; descend a gradual N. slope.

2.00 Draw, 10 ft. below sec. cor., drains W.; ascend a gradual SE. slope.

2.20 Old road, bears E. and W.

12.60 Spur, 130 ft. above draw, projects S. 60° W.; descend a gradual NW. slope.

37.00 Draw, 210 ft. below spur, drains W.; ascend a gentle SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ ✓
S 7 | S 8
1936

raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

68.00 Spur, 30 ft. above $\frac{1}{4}$ sec. cor., projects S. 60° W.; descend a gradual NW. slope.

72.20 Draw, 30 ft. below spur, drains SW.; road, bears NE. and SW.; ascend a gradual SE. slope.

80.00 On a gradual SE. slope, 40 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, and in a mound of stone, 5 ft. base, to top, for cor. of secs. 5, 6, 7 and 8, with brass cap marked.

T15S | R11W ✓
S 6 | S 5
S 7 | S 8

1936

Land, rolling hills; drainage, southwesterly.

Soil, rocky, coarse sandy clay loam, with scattered rocks on the surface, 3rd rate.

No timber.

Undergrowth, medium dense keroacene brush, and scattered shadscale, white sage, yellowtop, sage and mountain-rush. A scattered growth of grass.

Good winter grazing land.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- N. 49° 55' E., on a random line between secs. 5 and 8.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.26 Intersect N. and S. line, 9 lks. N. of the cor., of secs. 4, 5, 8 and 9.
- Thence
- S. 89° 59' W., on true line between secs. 5 and 8.
- Over rolling hills; through scattered undergrowth; ascend a gradual NE. slope.
- 3.90 Spur, 40 ft. above sec. cor., projects N. 10° E.; descend a gradual NW. slope.
- 21.70 Draw, 150 ft. below spur, drains N. 10° W.; ascend a gradual E. slope.
- 25.30 Spur, 30 ft. above draw, projects N.; descend a gradual SW. slope.
- 40.13 On a gradual SW. slope, 30 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, with a volcanic stone, 8x8x3 ins., marked X, deposited alongside, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.
- $$\begin{array}{r} \frac{S}{S} \frac{5}{8} \\ \hline \end{array}$$
- 1936
- 50.30 Junction of draws, from NE. and SE., 20 ft. below $\frac{1}{4}$ sec. cor., drains N. 60° W.; ascend a gradual NE. slope.
- 56.30 Spur, 30 ft. above draw, projects N. 60° W.; descend a gradual SW. slope.
- 62.70 Head of draw, 20 ft. below spur, drains S. 20° W.; ascend a gradual SE. slope.
- 67.10 Spur, 20 ft. above head of draw, projects SW.; descend a gradual NW. slope.
- 74.90 Draw, 30 ft. below spur, drains SW.; ascend a gradual SE. slope.
- 75.10 Road, bears NE. and SW.
- 80.26 The cor. of secs. 5, 6, 7 and 8, 30 ft. above draw.
- Land, rolling hills; drainage, northwesterly on the E. portion of the mile, and southwesterly on the W. portion of the mile.
- Soil, shallow, rocky, coarse sandy clay loam, with numerous volcanic outcroppings, 4th rate.
- No timber.
- Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.
- Good winter grazing land.

SUBDIVISION OF T. 15 N., R. 11 W.

Chains

- N. 89° 58' W., on a random line between secs. 6 and 7.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.,
- 79.50 Intersect the W. bdy. of the Tp., at the cor. of secs. 1, 6, 7 and 12, heretofore described.
- Thence
- S. 89° 58' E., on true line between secs. 6 and 7.
- Over rolling desert land, through medium dense undergrowth.
- .80 Road, bears N. 60° E. and S. 60° W.
- 2.90 Wash, 15 lks. wide, 2 ft. deep, drains SW.
- 29.50 Leave rolling desert land; enter rolling hills, bears N. and S.; ascend a gradual NW. slope.
- 38.50 On a gradual NW. slope, 80 ft. above foot of hills:
- Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, with a volcanic stone, 10x4x4 ins., marked X, deposited at the base, and in a mound of stone, 6 ft. base, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ $\frac{S}{S}$ $\frac{6}{7}$

1936

- 42.60 Spur on S. slope of high rocky knoll, 10 ft. above $\frac{1}{4}$ sec. cor., projects SW.; descend a gradual SE. slope.
- 56.60 Draw, 80 ft. below spur, drains SW.; ascend a gradual NW. slope.
- 63.50 Spur, 20 ft. above draw, projects SW.; descend a gradual SE. slope.
- 79.50 The cor. of secs. 5, 6, 7 and 8, 20 ft. below spur:
- Land, rolling desert on the W. portion of the mile, and rolling hills on the E. portion of the mile; drainage, southwesterly.
- Soil, coarse sandy clay loam on the W. portion of the mile, 3rd rate; rocky, coarse sandy clay loam, with numerous volcanic outcroppings on the E. portion of the mile, 4th rate.
- No timber.
- Undergrowth, scattered kerosene brush, yellowtop, sage and shadscale. A scattered growth of grass.
- Good winter grazing land.

N. 0° 10' W., on a random line between secs. 5 and 6.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 62.20 Intersect the N. bdy. of the Tp., 26 lks. W. of the cor. of secs. 5, 6, 31 and 32, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
- Thence
- S. 0° 01' W., on true line between secs. 5 and 6.

SUBDIVISION OF T. 15 S., R. 11 W.

Chains

- Over rolling desert land, through scattered undergrowth; descend a gradual SE. slope.
- 11.30 Wash, 100 lks. wide, 2 ft. deep, in small draw, 10 ft. below sec. cor., drains S. 70° W.; ascend a gradual NW. slope.
- 12.80 Road, bears N. 70° E. and S. 70° W.
- 29.20 Top of ascent, 30 ft. above draw, slopes SW.; descend a gradual SE. slope.
- 34.00 Wash, 30 lks. wide, 1 ft. deep, 30 ft. below top of ascent, drains S. 70° W.
- 41.70 Old road, bears E. and W.
- 42.20 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

+

S 6 | S. 5

1936

raise a mound
of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

- 52.60 Wash, 10 lks. wide, 1 ft. deep, drains W.; leave rolling desert land; enter rolling hills, bears E. and W.; ascend a gradual N. slope.
- 65.20 Spur, 20 ft. above wash, slopes E.; descend a gradual SE. slope.
- 82.20 The cor. of secs. 5, 6, 7 and 8, 20 ft. below spur.

Land, rolling desert land on the N. portion, and rolling hills on the S. portion of the mile; drainage, south-westerly.

Soil, rocky, coarse sandy clay loam, with a rocky surface, 3rd rate.

No timber.

Undergrowth, scattered kerosene brush, shadscale, sage, yellowtop and mountain-rush. A scattered growth of grass.

Good winter grazing land.

RETRACEMENT OF PORTION OF

BOUNDARIES OF MINERAL CLAIMS IN T. 15 S., R. 11 W.

DETROIT MINING DISTRICT

Violey lode, survey No. 4656.

Retracement of lines 2-3, 3-4 and 4-1.

From cor. No. 3, Violey lode, survey No. 4656, which is a pine post, 4 ins. square, 2 ft. above a mound of stone, firmly set and marked 3-4656 on SE. face.

Thence

RETRACEMENT OF PORTION OF

BOUNDARIES OF MINERAL CLAIMS IN T. 15 S., R. 11 W.

Chains	S. 0° 40' E., on retracement line along line 3-2. Cor. No. 2 is visible.
9.09	Intersect cor. No. 2, which is a hewed pine post, 2 ft. above a mound of stone, firmly set and marked 2-4-4656 on E. face. From cor. No. 3. N. 89° 37' E., on retracement line along line 3-4.
17.56	Fall N. 0° 23' W., 21 lks. dist. from cor. No. 4, which is a pine post, 4 ins. square, 2 ft. above a mound of stone, firmly set and marked 4-4656 on SW. face. The course of this line therefore is S. 89° 29' E.; and the dist. is 17.56 chs. From cor. No. 4. S. 15° 48' E., on retracement line along line 4-1.
5.24	Intersect cor. No. 4 of C and H lode, survey No. 5786, which is a pine post, 4 ins. square, 3 ft. above a mound of stone, firmly set and marked 4-5786 on NE. face.
9.09	Intersect cor. No. 1, which is a pine post, 4 ins. square, 2 ft. above a mound of stone, firmly set and marked 1-5-4656 on W. face. The course of this line therefore is S. 15° 48' E., and the dist. is 9.09 chs.

GENERAL DESCRIPTION

The northeast portion of the township, embracing a portion of the Drum Mountains; the southeast and central portion, embracing a portion of the Little Drum Mountains, is mountainous, with steep, broken slopes, and attains an approximate elevation of 6000 ft. above sea level. Along the west portion and between the two ranges of mountains, extending in a northwest and southeast direction, the land is rolling in character, with an approximate elevation of 5200 feet above sea level. The drainage of the Drum Mountains in the northeast corner of the township is southwest into the rolling land thence southeast. The drainage of the extreme northwest corner is westerly, while the drainage of the Little Drum Mountains is northeast, southeast and southwest, from the main ridge, which enters the township in section 34, and extends northwesterly into section 8.

The soil in the Little Drum Mountains in the southeast corner and central portion of the township is a shallow, rocky, coarse sandy clay loam, with numerous small volcanic ledges and outcroppings, and underlain with a volcanic formation and may be classed as 4th rate. The soil in the Drum Mountains, in the northeast corner is a shallow, rocky, coarse sandy clay loam, with numerous limestone and quartzite ledges and outcroppings, and may be classed as 4th rate. The soil in the rolling desert land is a coarse sandy clay loam, with numerous patches of volcanic rock on the surface, and may be classed as 2nd and 3rd rate.

The only timber found in the township is a scattered growth of scrub juniper in the northeastern portion of the township, and a few widely scattered scrub junipers in the Little Drum Mountains, in the central portion of the township, which has no commercial value.

GENERAL DESCRIPTION OF T. 15 S., R. 11 W.

There are several patented mining claims in the Detroit Mining District, located in sections 1, 2, 11 and 12; there are also mining claims, locations, shafts and small prospects in the northeast corner of the township, indicating that there has been considerable activity looking to the development of ore. At the time of this survey there was no work being done.

There is a frame cabin, 20x18 feet, located in the NE. $\frac{1}{4}$ of the SW. $\frac{1}{4}$ of section 1; a frame cabin located 20x18 feet, located in the SE. $\frac{1}{4}$ of the SW. $\frac{1}{4}$ of section 1; two frame cabins, 15x12 feet, located in the NW. $\frac{1}{4}$ of the SE. $\frac{1}{4}$ of section 1. These cabins have been built and occupied by mining interests in the development of ore.

No water was noted in the township; neither were there any settlers living in the township at the time of this survey.

There is a medium dense growth of kerosene brush and a scattered growth of weeds, grass and brushes through out the township. This vegetation affords good grazing for livestock during the winter months when snow is available for water. In general this township is valuable for grazing sheep and cattle during the winter months, the surface being too broken and rocky to have any value for farming purposes.

There is a well traveled road between Joy, Utah and Delta, Utah, entering the township about 10.00 chs. south of the corner of sections 13, 18, 19 and 24 on the east boundary and bearing in a northwesterly direction, leaving the township about 10.00 chs. west of the corner of sections 2, 3, 34 and 35 on the north boundary. There are numerous other roads through out the township passable to automobiles and used by sheep men during the winter months.

The nearest post office is Delta, Utah, which lies about 35 miles southeasterly.

The mean magnetic declination was found to be 17° 00' E.

Page

CERTIFICATE OF UNITED STATES SURVEYOR

We, Sidney R. Reese and Ervine F. Smith,
Transitman

....., HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 17th day of February, 1934
received from the district cadastral engineer for Utah supplemental
instructions dated September 10, 1936, we have ~~surveyed~~ independently resurveyed
the west boundary and surveyed the subdivision of township 15 south,
range 11 west.

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by ~~me~~ us and under ~~my~~ our direction; and that said
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Certified to at
Salt Lake City, Utah
March 4, 1937


Sidney R. Reese, Transitman
Ervine F. Smith, Transitman

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,
DENVER, COLORADO MAR 29 1937, 19

The foregoing field notes of the ~~surveyed~~ independent resurvey of the west
boundary and survey of the subdivision of township 15 south, range
11 west.

executed by Sidney R. Reese and Ervine F. Smith, Transitmen,
under special instructions dated February 17, 1934 supplemental
instructions dated September 10, 1936, having been critically examined, and
the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
therein described, are hereby approved.


U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
....., is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys.